

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110618\
 Data File : VX005820.D
 Acq On : 06 Nov 2018 20:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/7/2018 12:40:46 PM

Quant Time: Nov 07 09:40:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	156058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	261226	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	232184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	100580	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	
35) Dibromofluoromethane	5.51	113	81600	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
50) Toluene-d8	8.72	98	302291	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	11.14	95	106090	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	84867	47.075	ug/l	97
3) Chloromethane	1.32	50	90468	42.544	ug/l	95
4) Vinyl Chloride	1.41	62	102703	46.422	ug/l	94
5) Bromomethane	1.64	94	86252	31.419	ug/l	99
6) Chloroethane	1.71	64	63000	44.742	ug/l	92
7) Trichlorofluoromethane	1.93	101	124201	43.737	ug/l	98
8) Diethyl Ether	2.19	74	54933	43.036	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	73381	42.542	ug/l	93
10) Methyl Iodide	2.51	142	82771	49.326	ug/l	98
11) Tert butyl alcohol	3.07	59	138594	223.676	ug/l	99
12) 1,1-Dichloroethene	2.37	96	71948	42.805	ug/l	99
13) Acrolein	2.30	56	92116	209.839	ug/l	99
14) Allyl chloride	2.72	41	154237	44.378	ug/l	96
15) Acrylonitrile	3.15	53	318042	233.420	ug/l	97
16) Acetone	2.45	43	263907	223.982	ug/l	99
17) Carbon Disulfide	2.57	76	202395	39.186	ug/l	99
18) Methyl Acetate	2.78	43	149091	45.532	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	268305	46.115	ug/l	100
20) Methylene Chloride	2.85	84	88002	44.728	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	79063	44.454	ug/l	95
22) Diisopropyl ether	3.87	45	278550	43.205	ug/l	# 92
23) Vinyl Acetate	3.82	43	1228299	218.729	ug/l	98
24) 1,1-Dichloroethane	3.70	63	161123	44.196	ug/l	98
25) 2-Butanone	4.70	43	414949	215.596	ug/l	98
26) 2,2-Dichloropropane	4.57	77	102027	37.438	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	86577	43.320	ug/l	98
28) Bromochloromethane	5.02	49	86792	48.798	ug/l	94
29) Tetrahydrofuran	5.15	42	266193	226.597	ug/l	94
30) Chloroform	5.21	83	155454	43.614	ug/l	100
31) Cyclohexane	5.57	56	134769	44.207	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	123229	43.199	ug/l	97
36) 1,1-Dichloropropene	5.79	75	111310	39.994	ug/l	98
37) Ethyl Acetate	4.85	43	145459	40.966	ug/l	96
38) Carbon Tetrachloride	5.78	117	103122	41.011	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110618\
 Data File : VX005820.D
 Acq On : 06 Nov 2018 20:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/7/2018 12:40:46 PM

Quant Time: Nov 07 09:40:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	117539	40.494	ug/l	96
40) Benzene	6.14	78	342790	41.400	ug/l	99
41) Methacrylonitrile	5.06	41	83290	43.413	ug/l	95
42) 1,2-Dichloroethane	6.20	62	125936	41.149	ug/l	100
43) Isopropyl Acetate	6.46	43	226211	43.894	ug/l	97
44) Trichloroethene	7.21	130	82145	42.896	ug/l	89
45) 1,2-Dichloropropane	7.52	63	89335	42.102	ug/l	97
46) Dibromomethane	7.66	93	57281	42.241	ug/l	88
47) Bromodichloromethane	7.90	83	104136	40.941	ug/l	99
48) Methyl methacrylate	7.77	41	105709	42.380	ug/l	96
49) 1,4-Dioxane	7.75	88	47371	852.876	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	768363	218.655	ug/l	95
52) Toluene	8.79	92	194083	43.336	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	123363	44.753	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	133654	45.256	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	88450	45.477	ug/l	95
56) Ethyl methacrylate	9.18	69	133639	40.948	ug/l	99
57) 1,3-Dichloropropane	9.37	76	152042	45.508	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	403891	216.823	ug/l	95
59) 2-Hexanone	9.50	43	622746	217.764	ug/l	97
60) Dibromochloromethane	9.59	129	81305	43.261	ug/l	98
61) 1,2-Dibromoethane	9.68	107	93011	46.931	ug/l	97
64) Tetrachloroethene	9.34	164	84162	49.615	ug/l	94
65) Chlorobenzene	10.14	112	219132	44.413	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	76484	45.283	ug/l	98
67) Ethyl Benzene	10.25	91	379955	45.123	ug/l	96
68) m/p-Xylenes	10.36	106	280588	89.675	ug/l	92
69) o-Xylene	10.70	106	134300	44.877	ug/l	98
70) Styrene	10.71	104	228410	45.954	ug/l	98
71) Bromoform	10.86	173	60652	44.319	ug/l #	99
73) Isopropylbenzene	11.02	105	365051	47.068	ug/l	99
74) N-amyl acetate	10.90	43	189004	45.772	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	141173	43.874	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	133818m	45.703	ug/l	
77) Bromobenzene	11.26	156	88255	45.871	ug/l	89
78) n-propylbenzene	11.36	91	437761	46.397	ug/l	97
79) 2-Chlorotoluene	11.42	91	257191	45.640	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	311293	47.270	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	40340	44.514	ug/l	97
82) 4-Chlorotoluene	11.51	91	304335	45.237	ug/l	97
83) tert-Butylbenzene	11.77	119	295242	46.987	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	322434	48.487	ug/l	98
85) sec-Butylbenzene	11.94	105	374656	46.483	ug/l	97
86) p-Isopropyltoluene	12.07	119	324238	47.299	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	167430	45.007	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	170974	42.781	ug/l	98
89) n-Butylbenzene	12.39	91	308877	44.659	ug/l	98
90) Hexachloroethane	12.60	117	53376	43.888	ug/l	84
91) 1,2-Dichlorobenzene	12.39	146	171831	44.213	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33209	44.003	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110618\
Data File : VX005820.D
Acq On : 06 Nov 2018 20:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
11/7/2018 12:40:46 PM

Quant Time: Nov 07 09:40:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	118897	47.699	ug/l	99
94) Hexachlorobutadiene	13.78	225	53530	44.390	ug/l	99
95) Naphthalene	13.83	128	416721	50.834	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	121286	47.794	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

