

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102418\
 Data File : VX005533.D
 Acq On : 24 Oct 2018 11:05
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:53:02 AM

Quant Time: Oct 25 02:02:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 01:45:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	207105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	317220	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158860	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	14489	5.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.46%	
35) Dibromofluoromethane	5.50	113	11303	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
50) Toluene-d8	8.71	98	38279	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	
62) 4-Bromofluorobenzene	11.14	95	12920	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	7805	3.818	ug/l 98
3) Chloromethane	1.32	50	12455	4.784	ug/l 94
4) Vinyl Chloride	1.41	62	11711	4.575	ug/l 97
5) Bromomethane	1.64	94	7786	4.888	ug/l 96
6) Chloroethane	1.71	64	8440	5.161	ug/l # 86
7) Trichlorofluoromethane	1.92	101	17276	4.857	ug/l 99
8) Diethyl Ether	2.19	74	6676	4.703	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	10381	5.087	ug/l 97
10) Methyl Iodide	2.51	142	6641	3.444	ug/l 98
11) Tert butyl alcohol	3.07	59	16999	24.987	ug/l 98
12) 1,1-Dichloroethene	2.37	96	9618	4.947	ug/l 95
13) Acrolein	2.29	56	8676	25.001	ug/l 91
14) Allyl chloride	2.72	41	22233	5.124	ug/l 100
15) Acrylonitrile	3.15	53	39431	25.848	ug/l 97
16) Acetone	2.45	43	34249	25.638	ug/l 98
17) Carbon Disulfide	2.56	76	27930	4.713	ug/l 100
18) Methyl Acetate	2.78	43	21176	5.659	ug/l 98
19) Methyl tert-butyl Ether	3.20	73	35200	5.076	ug/l 99
20) Methylene Chloride	2.86	84	11746	5.250	ug/l 84
21) trans-1,2-Dichloroethene	3.17	96	11130	5.243	ug/l 90
22) Diisopropyl ether	3.87	45	37736	4.980	ug/l 96
23) Vinyl Acetate	3.82	43	156569	23.463	ug/l 98
24) 1,1-Dichloroethane	3.70	63	21046	5.109	ug/l 98
25) 2-Butanone	4.70	43	50528	24.838	ug/l 98
26) 2,2-Dichloropropane	4.59	77	16282	5.120	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	11562	5.052	ug/l 97
28) Bromochloromethane	5.03	49	9873	4.955	ug/l 96
29) Tetrahydrofuran	5.15	42	33118	25.016	ug/l 97
30) Chloroform	5.21	83	19494	5.059	ug/l 97
31) Cyclohexane	5.57	56	15697	4.605	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	16389	4.819	ug/l 97
36) 1,1-Dichloropropene	5.79	75	14333	4.656	ug/l 99
37) Ethyl Acetate	4.85	43	19177	4.882	ug/l 99
38) Carbon Tetrachloride	5.78	117	15121	4.664	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102418\
 Data File : VX005533.D
 Acq On : 24 Oct 2018 11:05
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:53:02 AM

Quant Time: Oct 25 02:02:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 01:45:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	15133	4.452	ug/l	96
40) Benzene	6.14	78	41098	4.657	ug/l	96
41) Methacrylonitrile	5.06	41	10449	4.775	ug/l	97
42) 1,2-Dichloroethane	6.20	62	16011	4.776	ug/l	98
43) Isopropyl Acetate	6.46	43	25968	4.411	ug/l	99
44) Trichloroethene	7.21	130	11480	4.775	ug/l	100
45) 1,2-Dichloropropane	7.51	63	11422	4.814	ug/l	95
46) Dibromomethane	7.66	93	7381	4.817	ug/l	97
47) Bromodichloromethane	7.90	83	13463	4.527	ug/l	92
48) Methyl methacrylate	7.77	41	12997	4.532	ug/l	98
49) 1,4-Dioxane	7.76	88	5647	90.105	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	90218	22.804	ug/l	98
52) Toluene	8.79	92	25470	4.749	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	13686	4.258	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	15841	4.577	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	10684	4.725	ug/l	96
56) Ethyl methacrylate	9.18	69	14220	4.216	ug/l	97
57) 1,3-Dichloropropane	9.37	76	18361	4.799	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	40302	21.395	ug/l	99
59) 2-Hexanone	9.50	43	70167	22.494	ug/l	97
60) Dibromochloromethane	9.59	129	10632	4.507	ug/l	99
61) 1,2-Dibromoethane	9.67	107	10803	4.618	ug/l	96
64) Tetrachloroethene	9.34	164	11741	4.908	ug/l	95
65) Chlorobenzene	10.14	112	30127	4.910	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	10563	4.721	ug/l	96
67) Ethyl Benzene	10.25	91	46321	4.588	ug/l	95
68) m/p-Xylenes	10.36	106	35662	9.104	ug/l	100
69) o-Xylene	10.70	106	16622	4.510	ug/l	98
70) Styrene	10.71	104	26747	4.336	ug/l	99
71) Bromoform	10.86	173	8871	4.443	ug/l #	100
73) Isopropylbenzene	11.02	105	45393	4.674	ug/l	98
74) N-amyl acetate	10.90	43	21773	4.525	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	17815	4.973	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	16567m	5.089	ug/l	
77) Bromobenzene	11.26	156	12961	4.789	ug/l	99
78) n-propylbenzene	11.36	91	51812	4.666	ug/l	99
79) 2-Chlorotoluene	11.42	91	32758	4.758	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	38112	4.588	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	4478	4.347	ug/l #	84
82) 4-Chlorotoluene	11.51	91	38678	4.764	ug/l	99
83) tert-Butylbenzene	11.77	119	38424	4.640	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	38612	4.586	ug/l	98
85) sec-Butylbenzene	11.94	105	46806	4.737	ug/l	99
86) p-Isopropyltoluene	12.07	119	40994	4.641	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	24858	4.885	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	26337	4.948	ug/l	94
89) n-Butylbenzene	12.39	91	35148	4.408	ug/l	98
90) Hexachloroethane	12.60	117	6942	4.557	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	24676	4.793	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	3959	4.570	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102418\
Data File : VX005533.D
Acq On : 24 Oct 2018 11:05
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
10/26/2018 11:53:02 AM

Quant Time: Oct 25 02:02:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 01:45:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	16982	4.550	ug/l	99
94) Hexachlorobutadiene	13.78	225	8859	4.580	ug/l	98
95) Naphthalene	13.83	128	45432	4.188	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	17647	4.664	ug/l	99

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

