

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005919.D
 Acq On : 12 Nov 2018 23:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:19:27 PM

Quant Time: Nov 13 06:33:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	102423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	142699	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	133588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	76034	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	60631	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	5.50	113	47994	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	8.72	98	173268	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
62) 4-Bromofluorobenzene	11.14	95	66780	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	46847	50.730	ug/l	94
3) Chloromethane	1.32	50	63936	52.756	ug/l	93
4) Vinyl Chloride	1.40	62	61352	50.427	ug/l	94
5) Bromomethane	1.64	94	37055	49.769	ug/l	99
6) Chloroethane	1.71	64	37208	51.255	ug/l	98
7) Trichlorofluoromethane	1.92	101	84136	52.098	ug/l	98
8) Diethyl Ether	2.19	74	34958	55.243	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48365	52.071	ug/l	98
10) Methyl Iodide	2.51	142	60925	54.122	ug/l	98
11) Tert butyl alcohol	3.07	59	83501	247.551	ug/l	100
12) 1,1-Dichloroethene	2.37	96	45123	49.843	ug/l	95
13) Acrolein	2.29	56	58710	356.220	ug/l	98
14) Allyl chloride	2.73	41	103024	50.953	ug/l	99
15) Acrylonitrile	3.15	53	186024	266.116	ug/l	100
16) Acetone	2.45	43	166331	262.357	ug/l	98
17) Carbon Disulfide	2.57	76	134693	49.880	ug/l	100
18) Methyl Acetate	2.78	43	99967	59.109	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	172269	55.753	ug/l	91
20) Methylene Chloride	2.85	84	52784	50.684	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	48494	50.786	ug/l	94
22) Diisopropyl ether	3.87	45	178072	50.275	ug/l #	92
23) Vinyl Acetate	3.82	43	773106	254.569	ug/l	99
24) 1,1-Dichloroethane	3.70	63	95659	50.621	ug/l	99
25) 2-Butanone	4.70	43	264863	265.732	ug/l	97
26) 2,2-Dichloropropane	4.58	77	65190	47.028	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	53648	50.882	ug/l	97
28) Bromochloromethane	5.02	49	48248	57.129	ug/l	99
29) Tetrahydrofuran	5.15	42	169745	265.237	ug/l	99
30) Chloroform	5.22	83	97361	53.403	ug/l	95
31) Cyclohexane	5.58	56	83160	50.697	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	78727	51.771	ug/l	99
36) 1,1-Dichloropropene	5.79	75	71197	51.755	ug/l	99
37) Ethyl Acetate	4.85	43	92816	51.308	ug/l	99
38) Carbon Tetrachloride	5.78	117	72385	52.560	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	75295	54.003	ug/l	98
40) Benzene	6.14	78	210552	52.502	ug/l	100
41) Methacrylonitrile	5.06	41	53763	55.001	ug/l	98
42) 1,2-Dichloroethane	6.20	62	74984	52.203	ug/l	99
43) Isopropyl Acetate	6.46	43	131094	50.011	ug/l	98
44) Trichloroethene	7.21	130	52605	51.652	ug/l	99
45) 1,2-Dichloropropane	7.52	63	54072	55.551	ug/l	99
46) Dibromomethane	7.66	93	33701	55.175	ug/l	99
47) Bromodichloromethane	7.90	83	67068	58.101	ug/l	99
48) Methyl methacrylate	7.77	41	68350	58.071	ug/l	100
49) 1,4-Dioxane	7.75	88	29351	1157.248	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	464515	281.178	ug/l	100
52) Toluene	8.79	92	121446	54.185	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	73575	54.011	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	79918	57.559	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	50851	50.907	ug/l	99
56) Ethyl methacrylate	9.18	69	80523	53.876	ug/l	99
57) 1,3-Dichloropropane	9.37	76	85743	51.078	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	225955	276.533	ug/l	99
59) 2-Hexanone	9.50	43	366741	251.849	ug/l	100
60) Dibromochloromethane	9.58	129	54616	50.591	ug/l	99
61) 1,2-Dibromoethane	9.67	107	53413	48.357	ug/l	100
64) Tetrachloroethene	9.33	164	56915	50.041	ug/l	99
65) Chlorobenzene	10.14	112	136231	50.905	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	51113	54.937	ug/l	99
67) Ethyl Benzene	10.25	91	238519	55.581	ug/l	100
68) m/p-Xylenes	10.36	106	184997	113.018	ug/l	99
69) o-Xylene	10.70	106	87617	59.693	ug/l	99
70) Styrene	10.71	104	148244	61.224	ug/l	100
71) Bromoform	10.86	173	45903	58.854	ug/l #	99
73) Isopropylbenzene	11.02	105	241707	54.972	ug/l	99
74) N-amyl acetate	10.90	43	120558	48.895	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	82886	51.358	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	80223m	51.816	ug/l	
77) Bromobenzene	11.26	156	63774	51.459	ug/l	99
78) n-propylbenzene	11.36	91	280249	54.082	ug/l	99
79) 2-Chlorotoluene	11.42	91	166336	53.106	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	207811	55.616	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	24493	50.421	ug/l	97
82) 4-Chlorotoluene	11.51	91	197438	53.487	ug/l	100
83) tert-Butylbenzene	11.77	119	202537	53.580	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	213799	51.853	ug/l	99
85) sec-Butylbenzene	11.94	105	246366	53.297	ug/l	100
86) p-Isopropyltoluene	12.07	119	222811	54.417	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	118882	49.983	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	120233	49.381	ug/l	99
89) n-Butylbenzene	12.39	91	193519	50.995	ug/l	100
90) Hexachloroethane	12.60	117	36273	53.061	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	120668	50.644	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21049	53.447	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	88878	52.987	ug/l	100
94) Hexachlorobutadiene	13.78	225	43503	49.374	ug/l	99
95) Naphthalene	13.83	128	277844	50.774	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	91920	53.791	ug/l	99

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

