

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110218\
 Data File : VF060561.D
 Acq On : 2 Nov 2018 13:28
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:55:37 PM

Quant Time: Nov 03 04:00:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 04:25:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	244374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	432835	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	378211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	203151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	250178	70.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.46%	
35) Dibromofluoromethane	4.11	113	310723	76.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.92%	
50) Toluene-d8	7.55	98	890824	88.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.72%	
62) 4-Bromofluorobenzene	11.41	95	381996	83.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	252781	55.556	ug/l	95
3) Chloromethane	1.10	50	191024	69.658	ug/l	96
4) Vinyl Chloride	1.14	62	180565	63.924	ug/l #	88
5) Bromomethane	1.33	94	105441	49.233	ug/l	98
6) Chloroethane	1.38	64	66512	46.209	ug/l	93
7) Trichlorofluoromethane	1.50	101	351048	53.329	ug/l	94
8) Diethyl Ether	1.64	74	60303	70.520	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.82	101	196768	60.053	ug/l	98
10) Methyl Iodide	1.89	142	336067m	65.737	ug/l	
11) Tert butyl alcohol	2.57	59	66105	386.912	ug/l #	87
12) 1,1-Dichloroethene	1.78	96	168555	63.883	ug/l	95
13) Acrolein	2.00	56	37784	257.816	ug/l	100
14) Allyl chloride	2.09	41	244981	57.826	ug/l	93
15) Acrylonitrile	2.95	53	138419	377.151	ug/l	98
16) Acetone	2.24	43	254209	327.810	ug/l	97
17) Carbon Disulfide	1.83	76	472303m	64.189	ug/l	
18) Methyl Acetate	2.35	43	94469	83.732	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	419866	72.518	ug/l	99
20) Methylene Chloride	2.24	84	165423m	59.930	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	174868	64.728	ug/l	97
22) Diisopropyl ether	2.80	45	604399	78.741	ug/l	96
23) Vinyl Acetate	3.18	43	1775491	586.878	ug/l	99
24) 1,1-Dichloroethane	2.87	63	354074	64.460	ug/l	97
25) 2-Butanone	4.34	43	516439	456.847	ug/l	97
26) 2,2-Dichloropropane	3.60	77	245453	72.375	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	354545	103.954	ug/l	93
28) Bromochloromethane	3.72	49	215843	103.523	ug/l	95
29) Tetrahydrofuran	4.07	42	210737	601.191	ug/l	98
30) Chloroform	3.86	83	545871	78.004	ug/l	98
31) Cyclohexane	3.69	56	468799	110.724	ug/l #	95
32) 1,1,1-Trichloroethane	4.10	97	326530	57.676	ug/l	98
36) 1,1-Dichloropropene	4.28	75	439345	82.806	ug/l	96
37) Ethyl Acetate	4.11	43	191428	105.652	ug/l	93
38) Carbon Tetrachloride	3.99	117	352658	58.175	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	514212	92.372	ug/l	99
40) Benzene	4.64	78	1022263	94.266	ug/l	98
41) Methacrylonitrile	4.74	41	109819	105.829	ug/l #	93
42) 1,2-Dichloroethane	4.94	62	318672	68.160	ug/l	96
43) Isopropyl Acetate	6.96	43	262548	121.453	ug/l #	100
44) Trichloroethene	5.50	130	305901	87.760	ug/l	98
45) 1,2-Dichloropropane	6.23	63	277154	102.304	ug/l	100
46) Dibromomethane	6.09	93	183733	89.895	ug/l	88
47) Bromodichloromethane	6.39	83	424757	82.023	ug/l	97
48) Methyl methacrylate	6.72	41	163043	111.598	ug/l	95
49) 1,4-Dioxane	6.71	88	32590	2286.310	ug/l #	85
51) 4-Methyl-2-Pentanone	8.27	43	801510	514.388	ug/l	97
52) Toluene	7.62	92	684671	98.381	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	340385	83.516	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	453170	91.760	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	203829	99.896	ug/l	96
56) Ethyl methacrylate	8.62	69	246581	106.737	ug/l	98
57) 1,3-Dichloropropane	8.86	76	349204	101.043	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.62	63	86089	370.838	ug/l	100
59) 2-Hexanone	9.50	43	604769	535.853	ug/l	96
60) Dibromochloromethane	8.72	129	278940	85.935	ug/l	99
61) 1,2-Dibromoethane	8.99	107	221518	94.191	ug/l	100
64) Tetrachloroethene	8.16	164	280189	89.025	ug/l	96
65) Chlorobenzene	9.80	112	727068	96.134	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	298630	86.894	ug/l	94
67) Ethyl Benzene	9.91	91	1142657	79.369	ug/l	94
68) m/p-Xylenes	10.14	106	937047	188.397	ug/l	89
69) o-Xylene	10.71	106	521732	93.531	ug/l	98
70) Styrene	10.79	104	729030	92.339	ug/l	96
71) Bromoform	10.78	173	159816	91.321	ug/l	99
73) Isopropylbenzene	11.13	105	1360325	86.572	ug/l	100
74) N-amyl acetate	11.37	43	389137	118.218	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	265131	100.823	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	127054	70.377	ug/l	98
77) Bromobenzene	11.50	156	314358	91.418	ug/l	89
78) n-propylbenzene	11.60	91	1559442	84.219	ug/l	92
79) 2-Chlorotoluene	11.73	91	910687	82.601	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	1090839	81.382	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	104707m	118.791	ug/l	
82) 4-Chlorotoluene	11.90	91	954294	83.833	ug/l	95
83) tert-Butylbenzene	12.13	119	1117414	84.841	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	1120264	82.269	ug/l	95
85) sec-Butylbenzene	12.31	105	1551997	84.066	ug/l	94
86) p-Isopropyltoluene	12.47	119	1239950	81.902	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	578533	84.175	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	578749	89.104	ug/l	97
89) n-Butylbenzene	12.85	91	1190941	75.034	ug/l	95
90) Hexachloroethane	12.92	117	343840	88.122	ug/l	87
91) 1,2-Dichlorobenzene	12.95	146	565239	87.683	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	49037	92.101	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	381070	79.886	ug/l	95
94) Hexachlorobutadiene	14.19	225	252383	75.597	ug/l	97
95) Naphthalene	14.46	128	830931	97.937	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	384566	84.929	ug/l	94

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

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