

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110218\
 Data File : VF060557.D
 Acq On : 2 Nov 2018 11:33
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:55:33 PM

Quant Time: Nov 03 03:39:45 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	270502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	435123	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	379455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	214236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	26419	6.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.40%	
35) Dibromofluoromethane	4.12	113	34976	8.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.12%	
50) Toluene-d8	7.56	98	105017	10.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.84%	
62) 4-Bromofluorobenzene	11.41	95	46601	10.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	0.96	85	38224	7.589	ug/l	99
3) Chloromethane	1.10	50	26389	8.693	ug/l	89
4) Vinyl Chloride	1.14	62	23876	7.636	ug/l #	77
5) Bromomethane	1.32	94	11954	5.042	ug/l	93
6) Chloroethane	1.37	64	10264	6.442	ug/l	98
7) Trichlorofluoromethane	1.49	101	43892	6.024	ug/l	97
8) Diethyl Ether	1.63	74	8476	8.955	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	25030	6.901	ug/l	97
10) Methyl Iodide	1.90	142	39081m	6.906	ug/l	
11) Tert butyl alcohol	2.57	59	8277	43.766	ug/l #	37
12) 1,1-Dichloroethene	1.79	96	21594	7.394	ug/l	95
13) Acrolein	2.00	56	6681	41.184	ug/l #	73
14) Allyl chloride	2.09	41	35157	7.497	ug/l	96
15) Acrylonitrile	2.94	53	18037	44.399	ug/l	95
16) Acetone	2.24	43	37172	43.304	ug/l	95
17) Carbon Disulfide	1.84	76	59287m	7.279	ug/l	
18) Methyl Acetate	2.35	43	9703	7.769	ug/l #	91
19) Methyl tert-butyl Ether	2.44	73	47028	7.338	ug/l	96
20) Methylene Chloride	2.18	84	25124m	8.223	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	22886	7.653	ug/l	92
22) Diisopropyl ether	2.80	45	68778	8.095	ug/l #	94
23) Vinyl Acetate	3.19	43	213260	63.683	ug/l	98
24) 1,1-Dichloroethane	2.87	63	40396	6.644	ug/l	96
25) 2-Butanone	4.33	43	88729	70.909	ug/l	96
26) 2,2-Dichloropropane	3.59	77	29713	7.915	ug/l	87
27) cis-1,2-Dichloroethene	3.47	96	38324	10.151	ug/l	95
28) Bromochloromethane	3.72	49	25514	11.055	ug/l	94
29) Tetrahydrofuran	4.09	42	29023	74.799	ug/l	99
30) Chloroform	3.86	83	62218	8.032	ug/l	92
31) Cyclohexane	3.69	56	59275	12.648	ug/l #	96
32) 1,1,1-Trichloroethane	4.10	97	44996	7.180	ug/l	91
36) 1,1-Dichloropropene	4.28	75	49241	9.232	ug/l	93
37) Ethyl Acetate	4.12	43	25528	14.015	ug/l #	74
38) Carbon Tetrachloride	3.99	117	42932	7.045	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	59431	10.620	ug/l	94
40) Benzene	4.63	78	129519	11.881	ug/l	93
41) Methacrylonitrile	4.74	41	13603	13.040	ug/l #	86
42) 1,2-Dichloroethane	4.94	62	32823	6.983	ug/l	100
43) Isopropyl Acetate	6.97	43	30205	13.899	ug/l #	93
44) Trichloroethene	5.51	130	36453	10.403	ug/l	99
45) 1,2-Dichloropropane	6.24	63	29216	10.728	ug/l	98
46) Dibromomethane	6.09	93	18101	8.810	ug/l	90
47) Bromodichloromethane	6.38	83	47337	9.093	ug/l	98
48) Methyl methacrylate	6.72	41	18664	12.708	ug/l	94
49) 1,4-Dioxane	6.71	88	4630	323.104	ug/l #	69
51) 4-Methyl-2-Pentanone	8.26	43	110798	70.733	ug/l	99
52) Toluene	7.63	92	81911	11.708	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	43872	10.708	ug/l	90
54) cis-1,3-Dichloropropene	7.30	75	51958	10.465	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	23002	11.214	ug/l	98
56) Ethyl methacrylate	8.62	69	29889	12.870	ug/l	94
57) 1,3-Dichloropropane	8.85	76	38887	11.193	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	10796	46.260	ug/l	100
59) 2-Hexanone	9.49	43	88487	77.991	ug/l	90
60) Dibromochloromethane	8.72	129	31109	9.534	ug/l	92
61) 1,2-Dibromoethane	8.99	107	23226	9.824	ug/l	99
64) Tetrachloroethene	8.15	164	31385	9.939	ug/l	97
65) Chlorobenzene	9.80	112	78146	10.299	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	34732	10.073	ug/l	98
67) Ethyl Benzene	9.91	91	149961	10.382	ug/l	97
68) m/p-Xylenes	10.13	106	111127	22.269	ug/l	90
69) o-Xylene	10.71	106	60918	10.885	ug/l	94
70) Styrene	10.79	104	87079	10.993	ug/l	96
71) Bromoform	10.77	173	17822	10.150	ug/l #	87
73) Isopropylbenzene	11.13	105	173555	10.474	ug/l	95
74) N-amyl acetate	11.38	43	50700	14.605	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	31319	11.294	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	16757	8.802	ug/l	97
77) Bromobenzene	11.50	156	37759	10.412	ug/l	82
78) n-propylbenzene	11.59	91	207706	10.637	ug/l	97
79) 2-Chlorotoluene	11.72	91	118409	10.184	ug/l	94
80) 1,3,5-Trimethylbenzene	11.83	105	145460	10.290	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.87	75	11557m	12.433	ug/l	
82) 4-Chlorotoluene	11.91	91	121736	10.141	ug/l	98
83) tert-Butylbenzene	12.14	119	150902	10.865	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	142548	9.927	ug/l	93
85) sec-Butylbenzene	12.31	105	206826	10.623	ug/l	99
86) p-Isopropyltoluene	12.46	119	175480	10.991	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	76542	10.560	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	69100	10.088	ug/l	97
89) n-Butylbenzene	12.85	91	175871	10.507	ug/l	92
90) Hexachloroethane	12.92	117	41054	9.977	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	69798	10.267	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	5445	9.698	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	46888	9.321	ug/l	97
94) Hexachlorobutadiene	14.20	225	29161	8.283	ug/l	94
95) Naphthalene	14.46	128	89440	9.996	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	41224	8.633	ug/l	95

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

