

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060592.D
 Acq On : 6 Nov 2018 3:22
 Operator : VA/AP
 Sample : VF1105SBS02
 Misc : 5.00/5mL/MSVOA-F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1105SBS02

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:53:53 PM

Quant Time: Nov 06 07:54:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	246414	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	431924	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	392716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	215609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	136821	54.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.90%	
35) Dibromofluoromethane	4.12	113	168466	50.48	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.96%	
50) Toluene-d8	7.56	98	486942	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.42	95	214401	49.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	92200	34.574	ug/l	98
3) Chloromethane	1.10	50	57870	26.834	ug/l	90
4) Vinyl Chloride	1.14	62	47270	23.787	ug/l	95
5) Bromomethane	1.33	94	25936	23.251	ug/l	87
6) Chloroethane	1.38	64	19429	24.923	ug/l	88
7) Trichlorofluoromethane	1.49	101	92552m	24.883	ug/l	
8) Diethyl Ether	1.63	74	13810	20.033	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	50264	23.649	ug/l	97
10) Methyl Iodide	1.89	142	83667m	23.921	ug/l	
11) Tert butyl alcohol	2.57	59	11520	83.848	ug/l #	87
12) 1,1-Dichloroethene	1.78	96	41307	23.075	ug/l	88
13) Acrolein	2.00	56	9925	101.525	ug/l	98
14) Allyl chloride	2.10	41	69051	23.623	ug/l	99
15) Acrylonitrile	2.95	53	31701	106.838	ug/l	94
16) Acetone	2.24	43	52015	88.662	ug/l	94
17) Carbon Disulfide	1.82	76	119831	23.764	ug/l	99
18) Methyl Acetate	2.35	43	17641	19.652	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	99543	23.788	ug/l	99
20) Methylene Chloride	2.18	84	45284m	23.092	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	44140	23.503	ug/l	93
22) Diisopropyl ether	2.81	45	146621	23.675	ug/l #	94
23) Vinyl Acetate	3.19	43	367812	98.849	ug/l	96
24) 1,1-Dichloroethane	2.88	63	86134	24.032	ug/l	98
25) 2-Butanone	4.34	43	122488	90.561	ug/l	99
26) 2,2-Dichloropropane	3.60	77	58574	21.841	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	80964	22.583	ug/l	97
28) Bromochloromethane	3.72	49	51421	22.861	ug/l	94
29) Tetrahydrofuran	4.08	42	44173	94.900	ug/l	96
30) Chloroform	3.86	83	134158	23.659	ug/l	99
31) Cyclohexane	3.70	56	113618	22.972	ug/l	94
32) 1,1,1-Trichloroethane	4.10	97	100122	25.281	ug/l	95
36) 1,1-Dichloropropene	4.29	75	103292	21.719	ug/l	96
37) Ethyl Acetate	4.12	43	39458	17.284	ug/l	92
38) Carbon Tetrachloride	4.00	117	88002	21.655	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	135493	23.346	ug/l	99
40) Benzene	4.64	78	257143	22.275	ug/l	95
41) Methacrylonitrile	4.75	41	25632	19.826	ug/l	90
42) 1,2-Dichloroethane	4.95	62	73987	22.331	ug/l	96
43) Isopropyl Acetate	6.97	43	51006	17.663	ug/l #	99
44) Trichloroethene	5.51	130	78585	22.651	ug/l	99
45) 1,2-Dichloropropane	6.24	63	65820	22.294	ug/l	90
46) Dibromomethane	6.09	93	39829	21.264	ug/l	95
47) Bromodichloromethane	6.39	83	100980	22.352	ug/l	95
48) Methyl methacrylate	6.72	41	33939	18.700	ug/l	97
49) 1,4-Dioxane	6.71	88	6304	332.040	ug/l #	82
51) 4-Methyl-2-Pentanone	8.26	43	189182	97.421	ug/l	99
52) Toluene	7.63	92	154727	20.576	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	80175	20.419	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	107597	21.688	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	43004	19.652	ug/l	98
56) Ethyl methacrylate	8.63	69	50417	17.908	ug/l	99
57) 1,3-Dichloropropane	8.86	76	76795	20.001	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.63	63	20560	101.798	ug/l	100
59) 2-Hexanone	9.50	43	122090	77.259	ug/l	98
60) Dibromochloromethane	8.73	129	61300	20.030	ug/l	96
61) 1,2-Dibromoethane	8.99	107	47533	20.656	ug/l	96
64) Tetrachloroethene	8.16	164	66834	21.715	ug/l	94
65) Chlorobenzene	9.81	112	165629	20.624	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	69331	20.431	ug/l	93
67) Ethyl Benzene	9.91	91	314479	21.578	ug/l	98
68) m/p-Xylenes	10.14	106	229668	41.836	ug/l	95
69) o-Xylene	10.72	106	130446	21.761	ug/l	95
70) Styrene	10.80	104	181030	20.845	ug/l	96
71) Bromoform	10.78	173	33465	19.094	ug/l #	92
73) Isopropylbenzene	11.13	105	375490	22.331	ug/l	94
74) N-amyl acetate	11.38	43	81540	16.772	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	62644	20.411	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	29365	19.468	ug/l	98
77) Bromobenzene	11.50	156	75565	20.538	ug/l	92
78) n-propylbenzene	11.60	91	417713	21.232	ug/l	98
79) 2-Chlorotoluene	11.72	91	247091	21.992	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	296620	21.401	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	21586m	18.210	ug/l	
82) 4-Chlorotoluene	11.90	91	242532	20.690	ug/l	99
83) tert-Butylbenzene	12.14	119	316100	22.324	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	294871	21.725	ug/l	98
85) sec-Butylbenzene	12.31	105	433736	22.268	ug/l	96
86) p-Isopropyltoluene	12.46	119	356634	22.234	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	150865	20.890	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	142743	20.839	ug/l	99
89) n-Butylbenzene	12.85	91	350593	19.986	ug/l	96
90) Hexachloroethane	12.92	117	90277	22.132	ug/l	72
91) 1,2-Dichlorobenzene	12.95	146	142200	21.047	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	11355	21.295	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	101047	22.015	ug/l	89
94) Hexachlorobutadiene	14.19	225	66101	22.225	ug/l	97
95) Naphthalene	14.46	128	177986	19.374	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	94747	21.852	ug/l	97

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

