

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060593.D
 Acq On : 6 Nov 2018 3:51
 Operator : VA/AP
 Sample : VF1105SBSD02
 Misc : 5.00/5mL/MSVOA-F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1105SBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:53:54 PM

Quant Time: Nov 06 07:56:41 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	256926	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	448657	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	393287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	215133	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	137287	52.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.78%	
35) Dibromofluoromethane	4.12	113	174247	50.27	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.54%	
50) Toluene-d8	7.56	98	525633	51.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.42	95	221203	49.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	89728	31.980	ug/l	99
3) Chloromethane	1.10	50	54142	24.078	ug/l	98
4) Vinyl Chloride	1.15	62	50949	24.589	ug/l #	88
5) Bromomethane	1.34	94	25693	22.091	ug/l	97
6) Chloroethane	1.39	64	18775	22.754	ug/l	91
7) Trichlorofluoromethane	1.49	101	90655m	23.376	ug/l	
8) Diethyl Ether	1.63	74	14947	20.795	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	50875	22.957	ug/l	95
10) Methyl Iodide	1.90	142	80205m	21.993	ug/l	
11) Tert butyl alcohol	2.58	59	12722	89.221	ug/l	92
12) 1,1-Dichloroethene	1.79	96	40003	21.432	ug/l	95
13) Acrolein	2.00	56	10927	109.380	ug/l	95
14) Allyl chloride	2.10	41	69601	22.837	ug/l	99
15) Acrylonitrile	2.94	53	28760	92.961	ug/l	91
16) Acetone	2.23	43	50093	81.892	ug/l	97
17) Carbon Disulfide	1.83	76	114380	21.755	ug/l	99
18) Methyl Acetate	2.35	43	26373m	27.969	ug/l	
19) Methyl tert-butyl Ether	2.43	73	93879	21.516	ug/l	99
20) Methylene Chloride	2.19	84	43120m	20.557	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	43100	22.010	ug/l	94
22) Diisopropyl ether	2.81	45	145302	22.502	ug/l	98
23) Vinyl Acetate	3.19	43	354060	91.260	ug/l	97
24) 1,1-Dichloroethane	2.88	63	85090	22.770	ug/l	98
25) 2-Butanone	4.35	43	128284	91.130	ug/l	100
26) 2,2-Dichloropropane	3.60	77	60228	21.539	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	84278	22.545	ug/l	95
28) Bromochloromethane	3.72	49	50788	21.656	ug/l	96
29) Tetrahydrofuran	4.08	42	47405	98.015	ug/l	98
30) Chloroform	3.86	83	134748	22.791	ug/l	96
31) Cyclohexane	3.69	56	117403	22.766	ug/l	98
32) 1,1,1-Trichloroethane	4.10	97	88501	21.432	ug/l	97
36) 1,1-Dichloropropene	4.29	75	102765	20.803	ug/l	96
37) Ethyl Acetate	4.12	43	41687	17.579	ug/l #	97
38) Carbon Tetrachloride	3.99	117	86118	20.401	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	128173	21.261	ug/l	95
40) Benzene	4.63	78	261133	21.777	ug/l	97
41) Methacrylonitrile	4.75	41	24826	18.486	ug/l	97
42) 1,2-Dichloroethane	4.95	62	73493	21.354	ug/l	97
43) Isopropyl Acetate	6.97	43	57107	19.038	ug/l #	98
44) Trichloroethene	5.51	130	77078	21.388	ug/l	99
45) 1,2-Dichloropropane	6.24	63	66998	21.846	ug/l	99
46) Dibromomethane	6.09	93	42777	21.987	ug/l	89
47) Bromodichloromethane	6.39	83	103892	22.139	ug/l	100
48) Methyl methacrylate	6.72	41	37725	20.011	ug/l	96
49) 1,4-Dioxane	6.71	88	7336	371.986	ug/l	95
51) 4-Methyl-2-Pentanone	8.26	43	212350	105.273	ug/l	99
52) Toluene	7.63	92	156076	19.981	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	80877	19.829	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	105766	20.524	ug/l	99
55) 1,1,2-Trichloroethane	8.50	97	44911	19.758	ug/l	96
56) Ethyl methacrylate	8.63	69	58748	20.088	ug/l	94
57) 1,3-Dichloropropane	8.86	76	81423	20.415	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.63	63	22364	107.674	ug/l	100
59) 2-Hexanone	9.50	43	144750	92.215	ug/l	99
60) Dibromochloromethane	8.73	129	62519	19.667	ug/l	98
61) 1,2-Dibromoethane	8.99	107	45936	19.217	ug/l	86
64) Tetrachloroethene	8.16	164	67268	21.824	ug/l	95
65) Chlorobenzene	9.81	112	165163	20.536	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	73966	21.765	ug/l	98
67) Ethyl Benzene	9.91	91	314422	21.543	ug/l	98
68) m/p-Xylenes	10.14	106	233858	42.537	ug/l	94
69) o-Xylene	10.72	106	128295	21.371	ug/l	92
70) Styrene	10.80	104	183995	21.156	ug/l	94
71) Bromoform	10.78	173	35717	20.350	ug/l	97
73) Isopropylbenzene	11.13	105	378603	22.566	ug/l	96
74) N-amyl acetate	11.38	43	106940	23.248	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	65295	21.321	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	30789	20.457	ug/l	95
77) Bromobenzene	11.51	156	77681	21.160	ug/l	82
78) n-propylbenzene	11.60	91	433313	22.074	ug/l	99
79) 2-Chlorotoluene	11.72	91	242526	21.634	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	294443	21.291	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	22372m	18.914	ug/l	
82) 4-Chlorotoluene	11.90	91	259069	22.150	ug/l	96
83) tert-Butylbenzene	12.14	119	309241	21.888	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	290791	21.472	ug/l	98
85) sec-Butylbenzene	12.32	105	435729	22.420	ug/l	99
86) p-Isopropyltoluene	12.46	119	358569	22.404	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	152408	21.151	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	147805	21.626	ug/l	98
89) n-Butylbenzene	12.85	91	371319	21.334	ug/l	93
90) Hexachloroethane	12.93	117	91122	22.388	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	152304	22.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	11145	20.947	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	98384	21.482	ug/l	94
94) Hexachlorobutadiene	14.20	225	59793	20.148	ug/l	98
95) Naphthalene	14.47	128	202301	22.070	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	88136	20.372	ug/l	95

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

