

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060568.D
 Acq On : 5 Nov 2018 11:38
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:53:45 PM

Quant Time: Nov 05 13:35:24 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	4.84	168	298022	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	496319	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	463718	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	240229	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	148127	49.19	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.38%	
35) Dibromofluoromethane	4.08	113	188656	49.20	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	7.53	98	586630	51.64	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.39	95	261646	52.66	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	173394	56.177	ug/l	98
3) Chloromethane	1.08	50	156868	60.143	ug/l	96
4) Vinyl Chloride	1.13	62	144237	60.012	ug/l #	84
5) Bromomethane	1.29	94	76810	56.934	ug/l	98
6) Chloroethane	1.36	64	50807	59.352	ug/l	94
7) Trichlorofluoromethane	1.46	101	237376	52.769	ug/l	94
8) Diethyl Ether	1.61	74	39141	46.947	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.79	101	131106	51.003	ug/l	98
10) Methyl Iodide	1.86	142	227372	53.750	ug/l	98
11) Tert butyl alcohol	2.54	59	40483	256.904	ug/l #	88
12) 1,1-Dichloroethene	1.75	96	107948	49.860	ug/l	94
13) Acrolein	1.99	56	60249	666.147	ug/l	94
14) Allyl chloride	2.08	41	218490	61.805	ug/l	89
15) Acrylonitrile	2.91	53	100179	279.157	ug/l	98
16) Acetone	2.21	43	211778	298.473	ug/l	95
17) Carbon Disulfide	1.75	76	338655	55.530	ug/l #	93
18) Methyl Acetate	2.32	43	64514	58.453	ug/l	95
19) Methyl tert-butyl Ether	2.41	73	269737	53.296	ug/l	99
20) Methylene Chloride	2.16	84	117333	56.481	ug/l	97
21) trans-1,2-Dichloroethene	2.29	96	122912	54.113	ug/l	90
22) Diisopropyl ether	2.78	45	410283	54.777	ug/l	97
23) Vinyl Acetate	3.16	43	1157122	257.125	ug/l	99
24) 1,1-Dichloroethane	2.85	63	233709	53.915	ug/l	97
25) 2-Butanone	4.30	43	375854	286.296	ug/l	99
26) 2,2-Dichloropropane	3.58	77	179798	55.434	ug/l	94
27) cis-1,2-Dichloroethene	3.45	96	220746	50.909	ug/l	97
28) Bromochloromethane	3.68	49	139907	51.430	ug/l	90
29) Tetrahydrofuran	4.04	42	155409	298.157	ug/l	98
30) Chloroform	3.83	83	350198	51.064	ug/l	97
31) Cyclohexane	3.67	56	308921	51.643	ug/l	99
32) 1,1,1-Trichloroethane	4.06	97	275071	57.429	ug/l	99
36) 1,1-Dichloropropene	4.25	75	276654	50.625	ug/l	96
37) Ethyl Acetate	4.08	43	124606	47.500	ug/l	88
38) Carbon Tetrachloride	3.96	117	258260m	55.306	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	356052	53.390	ug/l	97
40) Benzene	4.60	78	722789	54.488	ug/l	96
41) Methacrylonitrile	4.71	41	69103	46.515	ug/l	96
42) 1,2-Dichloroethane	4.91	62	193848	50.916	ug/l	96
43) Isopropyl Acetate	6.93	43	183559	55.318	ug/l #	98
44) Trichloroethene	5.48	130	199488	50.039	ug/l	99
45) 1,2-Dichloropropane	6.21	63	185883	54.791	ug/l	97
46) Dibromomethane	6.06	93	107958	50.160	ug/l	97
47) Bromodichloromethane	6.36	83	273792	52.740	ug/l	97
48) Methyl methacrylate	6.69	41	110953	53.202	ug/l	98
49) 1,4-Dioxane	6.68	88	21396	980.738	ug/l #	88
51) 4-Methyl-2-Pentanone	8.23	43	581176	260.451	ug/l	97
52) Toluene	7.60	92	460977	53.348	ug/l	98
53) t-1,3-Dichloropropene	8.25	75	225117	49.894	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	316265	55.478	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	134527	53.501	ug/l	98
56) Ethyl methacrylate	8.60	69	161652	49.967	ug/l	96
57) 1,3-Dichloropropane	8.82	76	239642	54.315	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.59	63	61213	299.978	ug/l	100
59) 2-Hexanone	9.46	43	436492	300.600	ug/l	99
60) Dibromochloromethane	8.70	129	185833	52.844	ug/l	100
61) 1,2-Dibromoethane	8.96	107	143206	54.157	ug/l	99
64) Tetrachloroethene	8.12	164	175537	48.301	ug/l	98
65) Chlorobenzene	9.77	112	488449	51.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	186593	46.567	ug/l	99
67) Ethyl Benzene	9.88	91	878086	51.026	ug/l	99
68) m/p-Xylenes	10.11	106	661248	102.008	ug/l	94
69) o-Xylene	10.69	106	357554	50.515	ug/l	97
70) Styrene	10.77	104	516772	50.394	ug/l	98
71) Bromoform	10.76	173	99613	48.134	ug/l	98
73) Isopropylbenzene	11.10	105	971510	51.855	ug/l	99
74) N-amyl acetate	11.36	43	252519	53.425	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	178829	52.294	ug/l	99
76) 1,2,3-Trichloropropane	11.85	75	88397	52.599	ug/l	98
77) Bromobenzene	11.48	156	203742	49.700	ug/l	97
78) n-propylbenzene	11.58	91	1151173	52.517	ug/l	97
79) 2-Chlorotoluene	11.70	91	646507	51.645	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	751943	48.693	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	69433m	52.569	ug/l	
82) 4-Chlorotoluene	11.88	91	670897	51.368	ug/l	99
83) tert-Butylbenzene	12.12	119	792081	50.207	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	772635	51.090	ug/l	100
85) sec-Butylbenzene	12.30	105	1072989	49.442	ug/l	96
86) p-Isopropyltoluene	12.44	119	854308	47.802	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	393375	48.889	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	398412	52.204	ug/l	99
89) n-Butylbenzene	12.83	91	859410	49.428	ug/l	99
90) Hexachloroethane	12.91	117	230702	50.761	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	373797	49.656	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	32620	54.905	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	246642	48.228	ug/l	99
94) Hexachlorobutadiene	14.18	225	157703	47.589	ug/l	97
95) Naphthalene	14.45	128	480250	46.919	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	239415	49.559	ug/l	97

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

