

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022519\
 Data File : VF061739.D
 Acq On : 25 Feb 2019 19:58
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 26 04:54:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	315862	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	483735	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	418001	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	227356	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	117713	50.82	ug/l	-0.03
Spiked Amount			Recovery	=	101.64%	
35) Dibromofluoromethane	4.10	113	176905	49.25	ug/l	-0.02
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	7.54	98	518436	50.20	ug/l	-0.02
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.40	95	195176	46.71	ug/l	-0.02
Spiked Amount			Recovery	=	93.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	169406	46.703	ug/l	100
3) Chloromethane	1.10	50	177625	46.671	ug/l	99
4) Vinyl Chloride	1.13	62	167762	47.417	ug/l	97
5) Bromomethane	1.31	94	125623	51.590	ug/l	91
6) Chloroethane	1.39	64	84534	48.483	ug/l	99
7) Trichlorofluoromethane	1.48	101	219831	51.515	ug/l	97
8) Diethyl Ether	1.63	74	49827	46.333	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	153708	49.930	ug/l	95
10) Methyl Iodide	1.90	142	298932m	50.834	ug/l	
11) Tert butyl alcohol	2.56	59	29479	219.909	ug/l	100
12) 1,1-Dichloroethene	1.80	96	141234	52.181	ug/l	97
13) Acrolein	2.00	56	43221	256.538	ug/l	99
14) Allyl chloride	2.09	41	168894	50.852	ug/l	99
15) Acrylonitrile	2.93	53	97615	205.297	ug/l	90
16) Acetone	2.23	43	114323	230.042	ug/l	93
17) Carbon Disulfide	1.81	76	416194	48.919	ug/l	99
18) Methyl Acetate	2.35	43	58147	51.938	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	238303	51.517	ug/l	98
20) Methylene Chloride	2.18	84	134108m	50.379	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	148107	50.337	ug/l	99
22) Diisopropyl ether	2.79	45	414057	51.935	ug/l	98
23) Vinyl Acetate	3.19	43	915462	235.093	ug/l	99
24) 1,1-Dichloroethane	2.87	63	247163	51.228	ug/l	99
25) 2-Butanone	4.32	43	251748	231.912	ug/l	96
26) 2,2-Dichloropropane	3.60	77	110767	54.200	ug/l	88
27) cis-1,2-Dichloroethene	3.47	96	185561	48.048	ug/l	99
28) Bromochloromethane	3.71	49	113967	49.231	ug/l	100
29) Tetrahydrofuran	4.06	42	107631	218.149	ug/l	97
30) Chloroform	3.86	83	287513	52.401	ug/l	97
31) Cyclohexane	3.68	56	254886m	48.801	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	178012	49.527	ug/l	98
36) 1,1-Dichloropropene	4.27	75	236895	49.436	ug/l	96
37) Ethyl Acetate	4.10	43	93532	42.023	ug/l #	75
38) Carbon Tetrachloride	3.98	117	172649	52.177	ug/l	92

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39) Methylcyclohexane	5.44	83	289288	51.045	ug/l	98
40) Benzene	4.63	78	604294	48.212	ug/l	98
41) Methacrylonitrile	4.74	41	50139	44.049	ug/l	96
42) 1,2-Dichloroethane	4.93	62	152043	50.711	ug/l	94
43) Isopropyl Acetate	6.95	43	109155	41.431	ug/l #	92
44) Trichloroethene	5.49	130	197335	48.685	ug/l	98
45) 1,2-Dichloropropane	6.23	63	153395	50.630	ug/l	96
46) Dibromomethane	6.07	93	94119	50.454	ug/l	92
47) Bromodichloromethane	6.38	83	205544	50.316	ug/l	97
48) Methyl methacrylate	6.71	41	74067	46.716	ug/l	94
49) 1,4-Dioxane	6.70	88	12845	861.833	ug/l #	85
51) 4-Methyl-2-Pentanone	8.24	43	408126	216.799	ug/l	99
52) Toluene	7.61	92	366958	48.273	ug/l	95
53) t-1,3-Dichloropropene	8.27	75	167687	49.322	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	240123	53.024	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	108862	48.741	ug/l	96
56) Ethyl methacrylate	8.61	69	113416	45.610	ug/l	96
57) 1,3-Dichloropropane	8.85	76	177067	47.497	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	80577	187.808	ug/l	99
59) 2-Hexanone	9.49	43	280980	212.930	ug/l	95
60) Dibromochloromethane	8.71	129	158174	50.881	ug/l	99
61) 1,2-Dibromoethane	8.97	107	116295	48.006	ug/l	97
64) Tetrachloroethene	8.15	164	180017	52.688	ug/l	98
65) Chlorobenzene	9.79	112	429793	50.670	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	170454	51.284	ug/l	99
67) Ethyl Benzene	9.89	91	700013	49.626	ug/l	99
68) m/p-Xylenes	10.13	106	549509	101.790	ug/l	96
69) o-Xylene	10.71	106	308489	53.553	ug/l	98
70) Styrene	10.78	104	403216	49.479	ug/l	99
71) Bromoform	10.77	173	87965	48.738	ug/l	100
73) Isopropylbenzene	11.11	105	823014	50.843	ug/l	99
74) N-amyl acetate	11.36	43	186314	47.953	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	130208	44.899	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	92602	46.966	ug/l	99
77) Bromobenzene	11.49	156	203823	50.969	ug/l	98
78) n-propylbenzene	11.59	91	941121	50.665	ug/l	99
79) 2-Chlorotoluene	11.72	91	516455	49.644	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	691398	53.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	46288m	48.969	ug/l	
82) 4-Chlorotoluene	11.89	91	559047	51.774	ug/l	97
83) tert-Butylbenzene	12.12	119	736538	51.399	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	680699	52.959	ug/l	100
85) sec-Butylbenzene	12.30	105	936751	50.552	ug/l	99
86) p-Isopropyltoluene	12.45	119	769502	49.480	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	375673	48.187	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	381746	50.915	ug/l	95
89) n-Butylbenzene	12.84	91	722127	49.174	ug/l	96
90) Hexachloroethane	12.91	117	196548	54.342	ug/l	94
91) 1,2-Dichlorobenzene	12.94	146	359747	48.514	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	23285	50.643	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	261727	49.242	ug/l	96
94) Hexachlorobutadiene	14.18	225	172280	52.483	ug/l	98
95) Naphthalene	14.45	128	448926	48.274	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	248540	50.946	ug/l	97

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

