

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059513.D
 Acq On : 17 Jul 2018 18:01
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 7/18/2018 3:16:08 PM

Quant Time: Jul 18 02:23:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	258284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	377722	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	379931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	223641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	201775	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	4.31	113	168303	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	7.73	98	424340	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.52	95	215715	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	138335	47.06	ug/l	100
3) Chloromethane	1.09	50	71937	43.41	ug/l	100
4) Vinyl Chloride	1.15	62	79114	45.83	ug/l	100
5) Bromomethane	1.34	94	52063	43.31	ug/l	100
6) Chloroethane	1.44	64	39671	43.92	ug/l	100
7) Trichlorofluoromethane	1.54	101	198173	50.02	ug/l	100
8) Diethyl Ether	1.70	74	40528	51.06	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	76551	40.68	ug/l	100
10) Methyl Iodide	1.98	142	141507	44.61	ug/l	100
11) Tert butyl alcohol	2.69	59	45777	253.17	ug/l	100
12) 1,1-Dichloroethene	1.86	96	80698	44.40	ug/l	100
13) Acrolein	2.10	56	19634	194.36	ug/l	100
14) Allyl chloride	2.20	41	106718	44.76	ug/l	100
15) Acrylonitrile	3.08	53	84203	252.35	ug/l	100
16) Acetone	2.34	43	172811	260.97	ug/l	100
17) Carbon Disulfide	1.88	76	216420	43.86	ug/l	100
18) Methyl Acetate	2.45	43	67934	49.97	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	307612	51.74	ug/l	100
20) Methylene Chloride	2.34	84	88413m	37.29	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	81659	49.32	ug/l	100
22) Diisopropyl ether	2.94	45	338392	49.51	ug/l	100
23) Vinyl Acetate	3.35	43	979357	246.59	ug/l	100
24) 1,1-Dichloroethane	3.01	63	197351	50.87	ug/l	100
25) 2-Butanone	4.53	43	237933	247.20	ug/l	100
26) 2,2-Dichloropropane	3.77	77	135381	51.99	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	103730	45.83	ug/l	100
28) Bromochloromethane	3.90	49	96952	53.89	ug/l	100
29) Tetrahydrofuran	4.28	42	102674	248.33	ug/l	100
30) Chloroform	4.05	83	293347	50.34	ug/l	100
31) Cyclohexane	3.87	56	96379	43.98	ug/l	100
32) 1,1,1-Trichloroethane	4.29	97	187952	46.50	ug/l	100
36) 1,1-Dichloropropene	4.47	75	179124	46.57	ug/l	100
37) Ethyl Acetate	4.32	43	113089	48.03	ug/l	100
38) Carbon Tetrachloride	4.18	117	197147	44.20	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	130466	45.04	ug/l	100
40) Benzene	4.82	78	348165	46.58	ug/l	100
41) Methacrylonitrile	4.95	41	52249	46.03	ug/l	100
42) 1,2-Dichloroethane	5.13	62	234283	48.97	ug/l	100
43) Isopropyl Acetate	7.12	43	133545	47.36	ug/l	100
44) Trichloroethene	5.69	130	127361	47.27	ug/l	100
45) 1,2-Dichloropropane	6.42	63	100185	47.26	ug/l	100
46) Dibromomethane	6.27	93	91035	48.07	ug/l	100
47) Bromodichloromethane	6.56	83	236565	48.89	ug/l	100
48) Methyl methacrylate	6.89	41	97518	47.99	ug/l	100
49) 1,4-Dioxane	6.90	88	9008	980.12	ug/l	100
51) 4-Methyl-2-Pentanone	8.43	43	488053	246.74	ug/l	100
52) Toluene	7.80	92	245872	45.75	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	215454	50.38	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	219064	49.37	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	104092	48.63	ug/l	100
56) Ethyl methacrylate	8.77	69	129829	48.16	ug/l	100
57) 1,3-Dichloropropane	9.02	76	174215	47.84	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.80	63	53912	239.47	ug/l	100
59) 2-Hexanone	9.65	43	381798	246.02	ug/l	100
60) Dibromochloromethane	8.88	129	175730	50.58	ug/l	100
61) 1,2-Dibromoethane	9.16	107	122567	47.31	ug/l	100
64) Tetrachloroethene	8.32	164	129435	43.21	ug/l	100
65) Chlorobenzene	9.95	112	331441	46.38	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	151681	46.88	ug/l	100
67) Ethyl Benzene	10.05	91	578634	45.38	ug/l	100
68) m/p-Xylenes	10.28	106	409750	89.72	ug/l	100
69) o-Xylene	10.84	106	220330	46.43	ug/l	100
70) Styrene	10.91	104	338301	45.06	ug/l	100
71) Bromoform	10.90	173	112064	47.51	ug/l	100
73) Isopropylbenzene	11.24	105	669411	46.92	ug/l	100
74) N-amyl acetate	11.47	43	220224	43.50	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.80	83	149711	47.85	ug/l	100
76) 1,2,3-Trichloropropane	11.90	75	118951	46.11	ug/l	100
77) Bromobenzene	11.61	156	188157	46.80	ug/l	100
78) n-propylbenzene	11.70	91	751709	45.51	ug/l	100
79) 2-Chlorotoluene	11.83	91	461214	46.20	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	555638	45.30	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	53204m	43.50	ug/l	
82) 4-Chlorotoluene	11.99	91	526910	45.56	ug/l	100
83) tert-Butylbenzene	12.22	119	545779	47.54	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	570609	46.57	ug/l	100
85) sec-Butylbenzene	12.40	105	686525	47.34	ug/l	100
86) p-Isopropyltoluene	12.55	119	593801	46.29	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	318640	46.29	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	310487	46.61	ug/l	100
89) n-Butylbenzene	12.93	91	562040	47.72	ug/l	100
90) Hexachloroethane	13.00	117	128636	44.54	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	301848	47.04	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	33893	48.79	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	187681	46.77	ug/l	100
94) Hexachlorobutadiene	14.26	225	92224	51.93	ug/l	100
95) Naphthalene	14.53	128	400528	46.91	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	163972	46.84	ug/l	100

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

