

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059543.D
 Acq On : 19 Jul 2018 6:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/19/2018 11:12:14 AM

Quant Time: Jul 19 07:20:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	212247	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	325392	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	338127	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	213756	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	190400	57.68	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	115.36%	
35) Dibromofluoromethane	4.28	113	151673	53.82	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.64%	
50) Toluene-d8	7.71	98	370697	52.22	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.44%	
62) 4-Bromofluorobenzene	11.50	95	211123	56.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	113.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	128351	49.36	ug/l	88
3) Chloromethane	1.08	50	68063	47.57	ug/l	89
4) Vinyl Chloride	1.15	62	74277	51.45	ug/l	97
5) Bromomethane	1.34	94	55010	54.98	ug/l	92
6) Chloroethane	1.43	64	41550	57.07	ug/l #	89
7) Trichlorofluoromethane	1.49	101	174506m	49.39	ug/l	
8) Diethyl Ether	1.69	74	35955	52.88	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.90	101	94704	63.47	ug/l	92
10) Methyl Iodide	1.96	142	174800m	66.92	ug/l	
11) Tert butyl alcohol	2.68	59	34263	245.91	ug/l	97
12) 1,1-Dichloroethene	1.85	96	78042	49.18	ug/l	95
13) Acrolein	2.09	56	15883	276.02	ug/l	85
14) Allyl chloride	2.19	41	140559	70.98	ug/l	94
15) Acrylonitrile	3.06	53	77217	278.81	ug/l	97
16) Acetone	2.32	43	136977	281.27	ug/l	97
17) Carbon Disulfide	1.83	76	192797m	47.41	ug/l	
18) Methyl Acetate	2.44	43	56998	56.95	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	256566	51.54	ug/l	98
20) Methylene Chloride	2.27	84	83530	56.70	ug/l #	78
21) trans-1,2-Dichloroethene	2.40	96	76219	51.95	ug/l	87
22) Diisopropyl ether	2.91	45	276533	49.69	ug/l	92
23) Vinyl Acetate	3.32	43	812671	249.87	ug/l #	95
24) 1,1-Dichloroethane	2.99	63	194174	56.49	ug/l	99
25) 2-Butanone	4.50	43	171511	223.79	ug/l	99
26) 2,2-Dichloropropane	3.75	77	125174	55.05	ug/l	97
27) cis-1,2-Dichloroethene	3.62	96	103200	60.44	ug/l	95
28) Bromochloromethane	3.88	49	77265	51.07	ug/l	96
29) Tetrahydrofuran	4.25	42	77580	248.63	ug/l	98
30) Chloroform	4.03	83	267289	53.83	ug/l	96
31) Cyclohexane	3.85	56	102981	57.84	ug/l	93
32) 1,1,1-Trichloroethane	4.26	97	208374	64.58	ug/l	97
36) 1,1-Dichloropropene	4.45	75	156922	48.18	ug/l #	91
37) Ethyl Acetate	4.27	43	82074	46.37	ug/l #	4
38) Carbon Tetrachloride	4.16	117	216812m	58.09	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	133507	54.01	ug/l	93
40) Benzene	4.80	78	296194	46.88	ug/l	97
41) Methacrylonitrile	4.91	41	42321	45.31	ug/l #	91
42) 1,2-Dichloroethane	5.10	62	218358	52.61	ug/l	99
43) Isopropyl Acetate	7.10	43	107629	45.99	ug/l #	99
44) Trichloroethene	5.66	130	111016	47.47	ug/l	95
45) 1,2-Dichloropropane	6.39	63	89673	51.13	ug/l	95
46) Dibromomethane	6.25	93	81983	51.33	ug/l	97
47) Bromodichloromethane	6.53	83	218384	53.12	ug/l	94
48) Methyl methacrylate	6.86	41	75482	45.16	ug/l	95
49) 1,4-Dioxane	6.86	88	9128	1235.58	ug/l #	75
51) 4-Methyl-2-Pentanone	8.40	43	379009	228.46	ug/l	100
52) Toluene	7.77	92	232865	50.82	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	187397	49.55	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	191603	50.89	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	93965	52.92	ug/l	95
56) Ethyl methacrylate	8.75	69	110652	50.25	ug/l	97
57) 1,3-Dichloropropane	8.99	76	157763	50.25	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	48553	249.76	ug/l	100
59) 2-Hexanone	9.62	43	296302	236.33	ug/l	95
60) Dibromochloromethane	8.85	129	163270	54.56	ug/l	96
61) 1,2-Dibromoethane	9.12	107	114192	51.83	ug/l	99
64) Tetrachloroethene	8.30	164	124410	49.41	ug/l	95
65) Chlorobenzene	9.93	112	321345	50.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	144714	50.10	ug/l	94
67) Ethyl Benzene	10.03	91	552547	48.95	ug/l	97
68) m/p-Xylenes	10.26	106	386690	97.06	ug/l	97
69) o-Xylene	10.82	106	218345	51.47	ug/l	94
70) Styrene	10.90	104	323154	49.56	ug/l	98
71) Bromoform	10.88	173	97708	48.70	ug/l	92
73) Isopropylbenzene	11.22	105	621641	46.09	ug/l	100
74) N-amyl acetate	11.46	43	186260	43.12	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	136193	46.29	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	111518	46.42	ug/l	90
77) Bromobenzene	11.59	156	179094	47.37	ug/l	93
78) n-propylbenzene	11.68	91	777384	50.24	ug/l	97
79) 2-Chlorotoluene	11.81	91	467265	49.03	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	548215	48.50	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	47475m	43.26	ug/l	
82) 4-Chlorotoluene	11.98	91	525407	49.20	ug/l	94
83) tert-Butylbenzene	12.21	119	544854	50.23	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	585326	50.34	ug/l	97
85) sec-Butylbenzene	12.38	105	718853	52.11	ug/l	94
86) p-Isopropyltoluene	12.54	119	619815	51.64	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	316487	48.80	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	316189	49.47	ug/l	96
89) n-Butylbenzene	12.91	91	583896	51.98	ug/l	96
90) Hexachloroethane	12.99	117	153898	56.45	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	313114	50.48	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	30853	46.29	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	226193	60.01	ug/l	99
94) Hexachlorobutadiene	14.25	225	135010	69.92	ug/l	100
95) Naphthalene	14.52	128	455383	58.16	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	222786	65.42	ug/l	96

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

