

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
 Data File : VF059925.D
 Acq On : 8 Aug 2018 11:55
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/9/2018 10:41:52 AM

Quant Time: Aug 09 05:36:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	102579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	145306	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	148939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	97789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	91189	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	4.30	113	71584	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	7.72	98	157525	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.51	95	92887	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	91858	52.41	ug/l	97
3) Chloromethane	1.09	50	43679	53.88	ug/l	99
4) Vinyl Chloride	1.15	62	44643	53.75	ug/l	90
5) Bromomethane	1.34	94	40422	51.56	ug/l	98
6) Chloroethane	1.43	64	30122	57.74	ug/l	93
7) Trichlorofluoromethane	1.54	101	128387	56.48	ug/l	97
8) Diethyl Ether	1.71	74	18986	52.63	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.91	101	60961	48.60	ug/l	92
10) Methyl Iodide	1.96	142	104061	54.00	ug/l	96
11) Tert butyl alcohol	2.68	59	22395	300.22	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	49317	53.82	ug/l	90
13) Acrolein	2.09	56	13028	291.43	ug/l	95
14) Allyl chloride	2.19	41	69491	45.49	ug/l	97
15) Acrylonitrile	3.08	53	34482	252.26	ug/l #	79
16) Acetone	2.34	43	85083	249.22	ug/l	96
17) Carbon Disulfide	1.89	76	131991	53.96	ug/l	98
18) Methyl Acetate	2.45	43	29727	51.62	ug/l #	91
19) Methyl tert-butyl Ether	2.54	73	140127	54.02	ug/l	98
20) Methylene Chloride	2.33	84	52039m	62.85	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	47814	52.53	ug/l	97
22) Diisopropyl ether	2.93	45	152349	51.84	ug/l	90
23) Vinyl Acetate	3.33	43	409144	287.58	ug/l #	95
24) 1,1-Dichloroethane	3.01	63	106106	49.58	ug/l	98
25) 2-Butanone	4.51	43	102272	275.50	ug/l	99
26) 2,2-Dichloropropane	3.77	77	53642	43.05	ug/l	91
27) cis-1,2-Dichloroethene	3.64	96	51114	49.94	ug/l	88
28) Bromochloromethane	3.89	49	38138	50.46	ug/l	87
29) Tetrahydrofuran	4.26	42	39279	287.42	ug/l	100
30) Chloroform	4.04	83	145749	50.34	ug/l	94
31) Cyclohexane	3.88	56	58972	55.67	ug/l	93
32) 1,1,1-Trichloroethane	4.29	97	117164	50.58	ug/l	95
36) 1,1-Dichloropropene	4.47	75	87122	51.84	ug/l	99
37) Ethyl Acetate	4.29	43	43759	60.64	ug/l #	75
38) Carbon Tetrachloride	4.18	117	142455	59.21	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	67287	53.38	ug/l	97
40) Benzene	4.82	78	149191	51.91	ug/l	98
41) Methacrylonitrile	4.93	41	19976	52.45	ug/l #	79
42) 1,2-Dichloroethane	5.13	62	116419	50.02	ug/l	100
43) Isopropyl Acetate	7.12	43	46215	62.19	ug/l #	99
44) Trichloroethene	5.68	130	58807	52.54	ug/l	95
45) 1,2-Dichloropropane	6.41	63	39826	51.64	ug/l	94
46) Dibromomethane	6.26	93	40194	51.65	ug/l	93
47) Bromodichloromethane	6.56	83	116548	54.75	ug/l	96
48) Methyl methacrylate	6.88	41	35099	60.71	ug/l	93
49) 1,4-Dioxane	6.88	88	5350	1264.99	ug/l #	81
51) 4-Methyl-2-Pentanone	8.41	43	227453	299.38	ug/l	99
52) Toluene	7.79	92	110621	52.11	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	90063	55.62	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	90895	54.39	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	42432	55.53	ug/l	95
56) Ethyl methacrylate	8.76	69	47180	55.88	ug/l	91
57) 1,3-Dichloropropane	9.01	76	74417	56.71	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.79	63	27093	267.99	ug/l	100
59) 2-Hexanone	9.64	43	168729	314.39	ug/l	95
60) Dibromochloromethane	8.87	129	78244	54.58	ug/l	91
61) 1,2-Dibromoethane	9.14	107	52459	56.34	ug/l	94
64) Tetrachloroethene	8.31	164	71393	55.57	ug/l	99
65) Chlorobenzene	9.95	112	158037	52.28	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	72041	47.91	ug/l	98
67) Ethyl Benzene	10.04	91	281302	53.41	ug/l	100
68) m/p-Xylenes	10.27	106	196705	108.04	ug/l	100
69) o-Xylene	10.83	106	104624	54.25	ug/l	96
70) Styrene	10.91	104	157532	54.74	ug/l	99
71) Bromoform	10.89	173	49683	53.91	ug/l	99
73) Isopropylbenzene	11.24	105	346516	56.89	ug/l	99
74) N-amyl acetate	11.47	43	81299	53.71	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	59296	51.85	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	51009	51.93	ug/l	99
77) Bromobenzene	11.60	156	89155	53.82	ug/l	97
78) n-propylbenzene	11.69	91	399661	55.56	ug/l	99
79) 2-Chlorotoluene	11.82	91	244536	53.74	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	296217	52.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	16967m	48.09	ug/l	
82) 4-Chlorotoluene	12.00	91	264613	53.56	ug/l	99
83) tert-Butylbenzene	12.22	119	307394	55.84	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	309425	53.19	ug/l	100
85) sec-Butylbenzene	12.39	105	398216	54.44	ug/l	99
86) p-Isopropyltoluene	12.55	119	354101	57.59	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	165539	52.75	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	170285	55.27	ug/l	99
89) n-Butylbenzene	12.92	91	327926	55.96	ug/l	99
90) Hexachloroethane	13.00	117	90348	53.25	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	164728	54.54	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	16654	57.77	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	132354	57.72	ug/l	99
94) Hexachlorobutadiene	14.26	225	87291	53.89	ug/l	96
95) Naphthalene	14.53	128	244159	61.50	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	127039	56.10	ug/l	98

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

