

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059837.D
 Acq On : 3 Aug 2018 14:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel

8/6/2018 10:04:38 AM

Quant Time: Aug 03 14:59:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	199131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	290291	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	287722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	173408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	166838	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
35) Dibromofluoromethane	4.29	113	143098	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
50) Toluene-d8	7.70	98	340769	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.50	95	179033	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	98207	43.08	ug/l	98
3) Chloromethane	1.08	50	61196	53.24	ug/l	89
4) Vinyl Chloride	1.15	62	64176	52.13	ug/l	94
5) Bromomethane	1.34	94	50300	49.59	ug/l	92
6) Chloroethane	1.43	64	37081	49.31	ug/l	91
7) Trichlorofluoromethane	1.54	101	155582m	41.84	ug/l	
8) Diethyl Ether	1.70	74	30053	47.26	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.90	101	92554	47.52	ug/l	92
10) Methyl Iodide	1.97	142	141654m	51.77	ug/l	
11) Tert butyl alcohol	2.68	59	42063	291.74	ug/l	96
12) 1,1-Dichloroethene	1.85	96	71341	46.26	ug/l	86
13) Acrolein	2.08	56	25018	325.80	ug/l	88
14) Allyl chloride	2.19	41	102831	41.76	ug/l	83
15) Acrylonitrile	3.06	53	71139	307.64	ug/l	91
16) Acetone	2.33	43	189511	294.40	ug/l	99
17) Carbon Disulfide	1.88	76	155167m	49.10	ug/l	
18) Methyl Acetate	2.44	43	54488	55.03	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	241691	51.39	ug/l	100
20) Methylene Chloride	2.27	84	77144m	55.78	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	69792	51.79	ug/l	93
22) Diisopropyl ether	2.92	45	264744	50.85	ug/l	94
23) Vinyl Acetate	3.32	43	788772	294.66	ug/l	98
24) 1,1-Dichloroethane	2.99	63	172911	47.80	ug/l #	97
25) 2-Butanone	4.50	43	196184	273.09	ug/l #	79
26) 2,2-Dichloropropane	3.75	77	121981	47.30	ug/l	93
27) cis-1,2-Dichloroethene	3.62	96	95407	49.25	ug/l	91
28) Bromochloromethane	3.87	49	70844	56.85	ug/l	90
29) Tetrahydrofuran	4.25	42	81351	294.63	ug/l	96
30) Chloroform	4.03	83	236142	46.25	ug/l	94
31) Cyclohexane	3.85	56	96634	55.58	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	177226	44.75	ug/l	97
36) 1,1-Dichloropropene	4.45	75	143332	48.67	ug/l	96
37) Ethyl Acetate	4.28	43	87319	61.33	ug/l #	80
38) Carbon Tetrachloride	4.16	117	207235	44.90	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	148133	67.64	ug/l	88
40) Benzene	4.80	78	281544	48.03	ug/l	99
41) Methacrylonitrile	4.92	41	40429	55.64	ug/l	95
42) 1,2-Dichloroethane	5.10	62	187394	45.68	ug/l	98
43) Isopropyl Acetate	7.10	43	92505	53.29	ug/l #	96
44) Trichloroethene	5.67	130	103106	52.72	ug/l	96
45) 1,2-Dichloropropane	6.39	63	80126	51.76	ug/l	93
46) Dibromomethane	6.24	93	72112	49.06	ug/l	94
47) Bromodichloromethane	6.53	83	187340	46.80	ug/l	99
48) Methyl methacrylate	6.86	41	67051	51.36	ug/l	89
49) 1,4-Dioxane	6.86	88	11919	1381.24	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	374076	283.30	ug/l	97
52) Toluene	7.77	92	203112	52.16	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	162067	46.66	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	168073	49.96	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	82339	51.86	ug/l	95
56) Ethyl methacrylate	8.75	69	91934	55.52	ug/l	95
57) 1,3-Dichloropropane	9.00	76	138843	50.97	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	40264	210.61	ug/l	100
59) 2-Hexanone	9.62	43	273421	258.40	ug/l	97
60) Dibromochloromethane	8.86	129	138204	49.33	ug/l	95
61) 1,2-Dibromoethane	9.13	107	90130	48.61	ug/l	89
64) Tetrachloroethene	8.30	164	99797	51.51	ug/l	94
65) Chlorobenzene	9.93	112	282809	49.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	127134	47.31	ug/l	98
67) Ethyl Benzene	10.03	91	474041	47.60	ug/l	100
68) m/p-Xylenes	10.26	106	332314	107.48	ug/l	100
69) o-Xylene	10.82	106	174718	47.62	ug/l	92
70) Styrene	10.90	104	273162	49.14	ug/l	95
71) Bromoform	10.88	173	87637	50.05	ug/l	97
73) Isopropylbenzene	11.22	105	563706	49.54	ug/l	99
74) N-amyl acetate	11.46	43	152354	53.07	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	119449	55.77	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	94684	51.99	ug/l	91
77) Bromobenzene	11.59	156	143313	48.23	ug/l	94
78) n-propylbenzene	11.68	91	652886	56.65	ug/l	97
79) 2-Chlorotoluene	11.81	91	401248	55.11	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	513542	57.49	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	42140m	55.87	ug/l	
82) 4-Chlorotoluene	11.98	91	423821	54.41	ug/l	95
83) tert-Butylbenzene	12.21	119	513042	50.23	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	509831	56.23	ug/l	100
85) sec-Butylbenzene	12.39	105	650122	56.65	ug/l	98
86) p-Isopropyltoluene	12.54	119	567083	56.72	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	268357	55.80	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	267761	54.89	ug/l	98
89) n-Butylbenzene	12.91	91	552135	58.38	ug/l	95
90) Hexachloroethane	12.99	117	139395	48.57	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	271943	57.99	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	28546	54.52	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	210554	56.35	µg/l	97
94) Hexachlorobutadiene	14.25	225	144958	50.96	µg/l	97
95) Naphthalene	14.52	128	400822	53.61	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	203560	49.26	µg/l	98

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

