

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059692.D
 Acq On : 30 Jul 2018 16:53
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC50

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:12:57 PM

Quant Time: Jul 31 04:16:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	202176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	286228	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	265945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	176200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	338043	106.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.90%	
35) Dibromofluoromethane	4.28	113	281068	102.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.20%	
50) Toluene-d8	7.70	98	668448	100.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.84%	
62) 4-Bromofluorobenzene	11.51	95	357464	99.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	213120	102.08	ug/l	95
3) Chloromethane	1.09	50	113404	96.08	ug/l	96
4) Vinyl Chloride	1.16	62	124431	99.59	ug/l #	89
5) Bromomethane	1.33	94	106092	97.55	ug/l	98
6) Chloroethane	1.41	64	79838	102.42	ug/l #	83
7) Trichlorofluoromethane	1.53	101	345599m	91.99	ug/l	
8) Diethyl Ether	1.70	74	58266	109.47	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	184900	92.57	ug/l	96
10) Methyl Iodide	1.96	142	285302	97.59	ug/l	94
11) Tert butyl alcohol	2.68	59	69407	509.15	ug/l	98
12) 1,1-Dichloroethene	1.85	96	143908	97.38	ug/l	87
13) Acrolein	2.08	56	39565	655.76	ug/l	81
14) Allyl chloride	2.18	41	237356	98.19	ug/l	89
15) Acrylonitrile	3.07	53	113602	546.71	ug/l	89
16) Acetone	2.34	43	299917	518.36	ug/l	96
17) Carbon Disulfide	1.89	76	313956m	87.40	ug/l	
18) Methyl Acetate	2.45	43	97119	100.27	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	430816	104.32	ug/l	100
20) Methylene Chloride	2.27	84	137252m	64.41	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	136483	90.05	ug/l	95
22) Diisopropyl ether	2.92	45	507239	104.98	ug/l	95
23) Vinyl Acetate	3.33	43	1324297	552.84	ug/l	100
24) 1,1-Dichloroethane	2.99	63	334986	97.44	ug/l	97
25) 2-Butanone	4.51	43	305447	479.14	ug/l #	78
26) 2,2-Dichloropropane	3.75	77	236734	84.65	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	171265	96.33	ug/l	94
28) Bromochloromethane	3.88	49	117328	92.64	ug/l	93
29) Tetrahydrofuran	4.25	42	120926	472.60	ug/l	94
30) Chloroform	4.04	83	458812	94.47	ug/l	97
31) Cyclohexane	3.86	56	168161	85.13	ug/l	94
32) 1,1,1-Trichloroethane	4.26	97	352286	88.43	ug/l	99
36) 1,1-Dichloropropene	4.45	75	276421	89.04	ug/l	97
37) Ethyl Acetate	4.28	43	133289	98.42	ug/l #	52
38) Carbon Tetrachloride	4.16	117	395386	86.80	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	209770	83.02	ug/l	91
40) Benzene	4.80	78	509472	92.39	ug/l	95
41) Methacrylonitrile	4.91	41	68146	102.18	ug/l #	94
42) 1,2-Dichloroethane	5.11	62	355305	99.02	ug/l	98
43) Isopropyl Acetate	7.11	43	159844	113.99	ug/l #	99
44) Trichloroethene	5.67	130	185244	86.74	ug/l	93
45) 1,2-Dichloropropane	6.39	63	140255	95.71	ug/l	95
46) Dibromomethane	6.25	93	131202	103.10	ug/l #	78
47) Bromodichloromethane	6.54	83	369626	99.14	ug/l	99
48) Methyl methacrylate	6.86	41	120924	109.87	ug/l	91
49) 1,4-Dioxane	6.86	88	19608	2232.56	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	588008	521.07	ug/l	98
52) Toluene	7.77	92	363161	88.66	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	302794	101.53	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	310215	100.25	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	144341	106.10	ug/l	94
56) Ethyl methacrylate	8.76	69	164197	113.85	ug/l	95
57) 1,3-Dichloropropane	8.99	76	242451	103.06	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	79743	457.95	ug/l	100
59) 2-Hexanone	9.62	43	465601	556.23	ug/l	94
60) Dibromochloromethane	8.86	129	258909	105.50	ug/l	98
61) 1,2-Dibromoethane	9.13	107	173449	105.44	ug/l	95
64) Tetrachloroethene	8.30	164	187242	88.36	ug/l	97
65) Chlorobenzene	9.94	112	481492	93.18	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	235285	98.94	ug/l	98
67) Ethyl Benzene	10.04	91	870790	92.93	ug/l	100
68) m/p-Xylenes	10.26	106	598357	184.53	ug/l	96
69) o-Xylene	10.83	106	341583	97.54	ug/l	93
70) Styrene	10.90	104	495086	97.21	ug/l	97
71) Bromoform	10.89	173	158757	108.26	ug/l #	96
73) Isopropylbenzene	11.22	105	1054391	87.67	ug/l	98
74) N-amyl acetate	11.46	43	283026	114.82	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	198302	100.41	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	160803	99.14	ug/l	92
77) Bromobenzene	11.60	156	265908	91.09	ug/l	89
78) n-propylbenzene	11.68	91	1177981	85.01	ug/l	98
79) 2-Chlorotoluene	11.81	91	747708	88.67	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	915642	86.74	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	67968m	80.70	ug/l	
82) 4-Chlorotoluene	11.99	91	799695	90.00	ug/l	94
83) tert-Butylbenzene	12.22	119	924586	86.67	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	944293	87.06	ug/l	97
85) sec-Butylbenzene	12.38	105	1201451	85.60	ug/l	99
86) p-Isopropyltoluene	12.53	119	1040383	86.20	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	488621	85.83	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	495647	91.39	ug/l	98
89) n-Butylbenzene	12.92	91	963210	82.52	ug/l	98
90) Hexachloroethane	13.00	117	259136	84.34	ug/l	79
91) 1,2-Dichlorobenzene	13.02	146	470841	88.96	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	55913	116.40	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	386567	91.14	ug/l	95
94) Hexachlorobutadiene	14.26	225	270429	86.66	ug/l	98
95) Naphthalene	14.52	128	740831	109.62	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	384350	99.69	ug/l	97

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

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