

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059265.D
 Acq On : 21 Jun 2018 16:45
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:27 AM

Quant Time: Jun 22 05:04:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 04:54:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	240243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	385680	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	378577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	231102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	72539	24.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.74%	
35) Dibromofluoromethane	4.30	113	68405	25.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.08%	
50) Toluene-d8	7.71	98	165152	21.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.08%	
62) 4-Bromofluorobenzene	11.51	95	92656	22.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	54451	19.96	ug/l	92
3) Chloromethane	1.08	50	33381	16.41	ug/l	95
4) Vinyl Chloride	1.14	62	32813	17.55	ug/l	99
5) Bromomethane	1.34	94	23439	20.95	ug/l	90
6) Chloroethane	1.43	64	17261	21.72	ug/l	100
7) Trichlorofluoromethane	1.49	101	62350m	20.57	ug/l	
8) Diethyl Ether	1.70	74	13568	18.44	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.90	101	39425	21.07	ug/l	94
10) Methyl Iodide	1.97	142	64279	19.55	ug/l	95
11) Tert butyl alcohol	2.69	59	20266	108.03	ug/l #	84
12) 1,1-Dichloroethene	1.86	96	32580	20.78	ug/l	88
13) Acrolein	2.09	56	17256	105.72	ug/l	88
14) Allyl chloride	2.19	41	64704	20.96	ug/l	96
15) Acrylonitrile	3.07	53	37207	103.33	ug/l	92
16) Acetone	2.34	43	80926	114.03	ug/l #	93
17) Carbon Disulfide	1.87	76	73492	17.04	ug/l	100
18) Methyl Acetate	2.45	43	26821	21.61	ug/l #	86
19) Methyl tert-butyl Ether	2.54	73	115146	22.92	ug/l	99
20) Methylene Chloride	2.27	84	32577m	19.54	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	31742	18.23	ug/l	84
22) Diisopropyl ether	2.94	45	129475	20.96	ug/l #	95
23) Vinyl Acetate	3.33	43	446306	110.79	ug/l	98
24) 1,1-Dichloroethane	3.00	63	85134	22.62	ug/l	98
25) 2-Butanone	4.51	43	109542	100.99	ug/l	100
26) 2,2-Dichloropropane	3.76	77	60425	22.24	ug/l	91
27) cis-1,2-Dichloroethene	3.63	96	54374	20.41	ug/l	94
28) Bromochloromethane	3.89	49	42888	25.76	ug/l	86
29) Tetrahydrofuran	4.28	42	52176	110.25	ug/l	98
30) Chloroform	4.04	83	120514	22.46	ug/l	99
31) Cyclohexane	3.86	56	56993	17.96	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	99633	24.72	ug/l	93
36) 1,1-Dichloropropene	4.45	75	73994	19.73	ug/l	97
37) Ethyl Acetate	4.28	43	56872	24.29	ug/l	100
38) Carbon Tetrachloride	4.17	117	98292	23.62	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	66356	17.86	ug/l	99
40) Benzene	4.81	78	165166	19.16	ug/l	99
41) Methacrylonitrile	4.92	41	23875	20.77	ug/l	96
42) 1,2-Dichloroethane	5.11	62	92865	22.79	ug/l	100
43) Isopropyl Acetate	7.11	43	58014	18.44	ug/l #	93
44) Trichloroethene	5.68	130	55583	20.10	ug/l	83
45) 1,2-Dichloropropane	6.39	63	45913	18.40	ug/l	100
46) Dibromomethane	6.26	93	40129	21.10	ug/l	98
47) Bromodichloromethane	6.55	83	100234	22.83	ug/l	98
48) Methyl methacrylate	6.88	41	37812	19.63	ug/l	89
49) 1,4-Dioxane	6.88	88	3895	305.21	ug/l	90
51) 4-Methyl-2-Pentanone	8.41	43	215100	99.59	ug/l	95
52) Toluene	7.77	92	124956	19.95	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	90018	21.01	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	95432	19.84	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	47463	20.57	ug/l	93
56) Ethyl methacrylate	8.76	69	53696	18.47	ug/l	99
57) 1,3-Dichloropropane	9.00	76	80032	20.43	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.77	63	22965	109.43	ug/l	100
59) 2-Hexanone	9.63	43	175749	102.82	ug/l	99
60) Dibromochloromethane	8.86	129	69345	20.69	ug/l	90
61) 1,2-Dibromoethane	9.14	107	57771	21.51	ug/l	99
64) Tetrachloroethene	8.31	164	54665	19.55	ug/l	90
65) Chlorobenzene	9.94	112	159414	20.99	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	67005	22.06	ug/l	93
67) Ethyl Benzene	10.04	91	270010	20.65	ug/l	98
68) m/p-Xylenes	10.27	106	194549	39.19	ug/l	92
69) o-Xylene	10.83	106	104054	19.48	ug/l	96
70) Styrene	10.90	104	168776	21.01	ug/l	99
71) Bromoform	10.89	173	48331	23.12	ug/l	94
73) Isopropylbenzene	11.23	105	315606	19.74	ug/l	99
74) N-amyl acetate	11.46	43	106563	18.80	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	77148	20.35	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	55852	19.90	ug/l	98
77) Bromobenzene	11.60	156	86296	21.17	ug/l	94
78) n-propylbenzene	11.69	91	385117	20.34	ug/l	99
79) 2-Chlorotoluene	11.82	91	233157	20.77	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	280853	21.11	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	34645	18.96	ug/l #	93
82) 4-Chlorotoluene	11.99	91	246854	20.63	ug/l	100
83) tert-Butylbenzene	12.21	119	284035	21.40	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	301567	22.01	ug/l	98
85) sec-Butylbenzene	12.39	105	381262	21.32	ug/l	98
86) p-Isopropyltoluene	12.54	119	313002	21.26	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	157710	21.02	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	154376	21.33	ug/l	99
89) n-Butylbenzene	12.92	91	336818	22.00	ug/l	97
90) Hexachloroethane	13.00	117	77479	21.41	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	161009	22.30	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	15957	21.11	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	118273	23.02	ug/l	98
94) Hexachlorobutadiene	14.26	225	67120	22.64	ug/l	99
95) Naphthalene	14.53	128	240695	21.91	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	112300	23.62	ug/l	97

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

