

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070718\
 Data File : VF059471.D
 Acq On : 7 Jul 2018 2:32
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 7/9/2018 9:34:12 AM

Quant Time: Jul 07 06:21:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:43:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	239869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	334598	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	362527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	238362	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	39719	11.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.90%	
35) Dibromofluoromethane	4.25	113	32375	12.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.10%	
50) Toluene-d8	7.67	98	73053	11.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.04%	
62) 4-Bromofluorobenzene	11.49	95	43253	12.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	29657	12.28	ug/l	95
3) Chloromethane	1.08	50	15152	10.00	ug/l	95
4) Vinyl Chloride	1.14	62	15322	10.25	ug/l	92
5) Bromomethane	1.32	94	12540	12.28	ug/l	86
6) Chloroethane	1.41	64	8205	10.83	ug/l #	77
7) Trichlorofluoromethane	1.47	101	33365m	10.86	ug/l	
8) Diethyl Ether	1.69	74	7799	10.36	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	20082	11.46	ug/l	90
10) Methyl Iodide	1.94	142	33025	10.41	ug/l #	84
11) Tert butyl alcohol	2.67	59	10612	51.42	ug/l	97
12) 1,1-Dichloroethene	1.84	96	18202	12.23	ug/l	85
13) Acrolein	2.07	56	8042	65.62	ug/l	87
14) Allyl chloride	2.16	41	31346	11.56	ug/l #	91
15) Acrylonitrile	3.05	53	16431	45.55	ug/l #	91
16) Acetone	2.32	43	34080	41.68	ug/l	100
17) Carbon Disulfide	1.86	76	45817	12.91	ug/l #	84
18) Methyl Acetate	2.43	43	15516m	9.59	ug/l	
19) Methyl tert-butyl Ether	2.52	73	58305	10.78	ug/l #	89
20) Methylene Chloride	2.26	84	20887m	8.88	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	19286	12.21	ug/l	94
22) Diisopropyl ether	2.90	45	60552	10.18	ug/l	92
23) Vinyl Acetate	3.30	43	189964	50.58	ug/l	97
24) 1,1-Dichloroethane	2.97	63	42068	11.17	ug/l	98
25) 2-Butanone	4.48	43	41222	41.84	ug/l	95
26) 2,2-Dichloropropane	3.72	77	24781	9.83	ug/l	95
27) cis-1,2-Dichloroethene	3.60	96	22392	9.67	ug/l	93
28) Bromochloromethane	3.85	49	19148	11.73	ug/l	92
29) Tetrahydrofuran	4.22	42	19393	44.63	ug/l	99
30) Chloroform	3.99	83	60173	11.04	ug/l	96
31) Cyclohexane	3.83	56	23660	9.72	ug/l	97
32) 1,1,1-Trichloroethane	4.23	97	45671	11.38	ug/l	93
36) 1,1-Dichloropropene	4.42	75	33584	11.00	ug/l	97
37) Ethyl Acetate	4.25	43	20827	10.07	ug/l	93
38) Carbon Tetrachloride	4.13	117	51280	13.05	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.58	83	29635	10.94	ug/l	98
40) Benzene	4.77	78	68242	10.38	ug/l	95
41) Methacrylonitrile	4.88	41	10665	10.68	ug/l #	91
42) 1,2-Dichloroethane	5.08	62	49469	12.36	ug/l	99
43) Isopropyl Acetate	7.08	43	23484	9.68	ug/l #	100
44) Trichloroethene	5.64	130	26557	11.53	ug/l	94
45) 1,2-Dichloropropane	6.36	63	19341	10.34	ug/l #	89
46) Dibromomethane	6.22	93	17415	10.56	ug/l	94
47) Bromodichloromethane	6.51	83	47273	11.78	ug/l	89
48) Methyl methacrylate	6.84	41	14709	8.91	ug/l #	88
49) 1,4-Dioxane	6.83	88	1219	122.48	ug/l #	71
51) 4-Methyl-2-Pentanone	8.37	43	99494	55.03	ug/l	97
52) Toluene	7.74	92	53323	10.77	ug/l	95
53) t-1,3-Dichloropropene	8.39	75	42540	11.71	ug/l	99
54) cis-1,3-Dichloropropene	7.43	75	37604	9.66	ug/l	97
55) 1,1,2-Trichloroethane	8.61	97	20251	10.60	ug/l	91
56) Ethyl methacrylate	8.74	69	22101	9.50	ug/l #	78
57) 1,3-Dichloropropane	8.96	76	34299	10.46	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.74	63	11399	62.13	ug/l	100
59) 2-Hexanone	9.60	43	67359	45.18	ug/l	100
60) Dibromochloromethane	8.82	129	33507	11.25	ug/l	88
61) 1,2-Dibromoethane	9.10	107	25945	11.16	ug/l	88
64) Tetrachloroethene	8.27	164	28265	11.36	ug/l	94
65) Chlorobenzene	9.91	112	68669	10.00	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	33264	11.12	ug/l	94
67) Ethyl Benzene	10.01	91	121167	10.36	ug/l	99
68) m/p-Xylenes	10.23	106	85641	20.73	ug/l	93
69) o-Xylene	10.81	106	44119	9.57	ug/l	91
70) Styrene	10.88	104	74029	10.52	ug/l	96
71) Bromoform	10.87	173	21521	10.55	ug/l	96
73) Isopropylbenzene	11.20	105	143778	10.13	ug/l	99
74) N-amyl acetate	11.45	43	40956	8.17	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.76	83	32805	9.39	ug/l	94
76) 1,2,3-Trichloropropane	11.86	75	28893	10.78	ug/l	94
77) Bromobenzene	11.57	156	41541	10.64	ug/l	85
78) n-propylbenzene	11.66	91	178938	10.51	ug/l	100
79) 2-Chlorotoluene	11.79	91	107988	10.34	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	126969	10.15	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.93	75	12397	7.97	ug/l	96
82) 4-Chlorotoluene	11.97	91	116236	10.50	ug/l	97
83) tert-Butylbenzene	12.20	119	127589	10.31	ug/l	94
84) 1,2,4-Trimethylbenzene	12.26	105	140290	10.74	ug/l	94
85) sec-Butylbenzene	12.36	105	168379	10.20	ug/l	99
86) p-Isopropyltoluene	12.52	119	147594	10.63	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	79163	10.90	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	74120	10.51	ug/l	95
89) n-Butylbenzene	12.90	91	150370	10.66	ug/l	95
90) Hexachloroethane	12.97	117	37340	10.76	ug/l	85
91) 1,2-Dichlorobenzene	13.00	146	79880	11.23	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	7651	9.66	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	57974	10.98	ug/l	96
94) Hexachlorobutadiene	14.24	225	32632	10.78	ug/l	92
95) Naphthalene	14.50	128	101360	9.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	59499	11.83	ug/l	93

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

