

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062118\
 Data File : VF059263.D
 Acq On : 21 Jun 2018 15:49
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 6/22/2018 11:34:21 AM

Quant Time: Jun 22 05:01:00 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	251316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	380647	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	389387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	258102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	19152	6.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	12.30%	
35) Dibromofluoromethane	4.29	113	17888	6.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	13.26%	
50) Toluene-d8	7.71	98	45728	5.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.80%	
62) 4-Bromofluorobenzene	11.51	95	24799	6.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	12.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	16532	5.79	ug/l	98
3) Chloromethane	1.09	50	10758	5.06	ug/l	96
4) Vinyl Chloride	1.14	62	9307	4.76	ug/l #	86
5) Bromomethane	1.33	94	8022	6.86	ug/l	87
6) Chloroethane	1.42	64	5176	6.23	ug/l	90
7) Trichlorofluoromethane	1.48	101	18629m	5.88	ug/l	
8) Diethyl Ether	1.70	74	4726	6.14	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	12041	6.15	ug/l	90
10) Methyl Iodide	1.96	142	20964	6.09	ug/l	99
11) Tert butyl alcohol	2.68	59	5336	27.19	ug/l #	69
12) 1,1-Dichloroethene	1.85	96	9695	5.91	ug/l #	64
13) Acrolein	2.09	56	5686	33.30	ug/l	83
14) Allyl chloride	2.19	41	17679	5.48	ug/l	96
15) Acrylonitrile	3.07	53	10284	27.30	ug/l	90
16) Acetone	2.34	43	22462	30.26	ug/l	100
17) Carbon Disulfide	1.87	76	26026	5.77	ug/l #	94
18) Methyl Acetate	2.46	43	10413	8.02	ug/l #	93
19) Methyl tert-butyl Ether	2.54	73	28620	5.45	ug/l	93
20) Methylene Chloride	2.27	84	12087m	6.93	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	10380	5.70	ug/l	95
22) Diisopropyl ether	2.93	45	33809	5.23	ug/l #	95
23) Vinyl Acetate	3.33	43	100569	23.86	ug/l	98
24) 1,1-Dichloroethane	3.00	63	24434	6.21	ug/l	98
25) 2-Butanone	4.52	43	30615	26.98	ug/l #	87
26) 2,2-Dichloropropane	3.76	77	17256	6.07	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	14798	5.31	ug/l	92
28) Bromochloromethane	3.88	49	9269	5.32	ug/l	95
29) Tetrahydrofuran	4.26	42	13995	28.27	ug/l	96
30) Chloroform	4.03	83	34700	6.18	ug/l	88
31) Cyclohexane	3.86	56	17165	5.17	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	25843	6.13	ug/l	94
36) 1,1-Dichloropropene	4.46	75	23294	6.29	ug/l	94
37) Ethyl Acetate	4.29	43	13872	6.00	ug/l #	81
38) Carbon Tetrachloride	4.16	117	26516	6.46	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	21102	5.76	ug/l #	84
40) Benzene	4.80	78	47395	5.57	ug/l	95
41) Methacrylonitrile	4.92	41	5690	5.02	ug/l #	87
42) 1,2-Dichloroethane	5.12	62	25365	6.31	ug/l	97
43) Isopropyl Acetate	7.12	43	16329	5.26	ug/l #	85
44) Trichloroethene	5.67	130	15951	5.84	ug/l	83
45) 1,2-Dichloropropane	6.40	63	13775	5.59	ug/l	97
46) Dibromomethane	6.25	93	10814	5.76	ug/l	94
47) Bromodichloromethane	6.54	83	25633	5.92	ug/l	99
48) Methyl methacrylate	6.87	41	8014	4.21	ug/l #	87
49) 1,4-Dioxane	6.86	88	1428	113.38	ug/l	98
51) 4-Methyl-2-Pentanone	8.40	43	59601	27.96	ug/l	98
52) Toluene	7.77	92	38078	6.16	ug/l	83
53) t-1,3-Dichloropropene	8.43	75	25400	6.01	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	25215	5.31	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	13227	5.81	ug/l #	95
56) Ethyl methacrylate	8.76	69	13966	4.87	ug/l	90
57) 1,3-Dichloropropane	9.00	76	22659	5.86	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.77	63	5985	28.90	ug/l	100
59) 2-Hexanone	9.63	43	47626	28.23	ug/l	95
60) Dibromochloromethane	8.86	129	17664	5.34	ug/l	92
61) 1,2-Dibromoethane	9.14	107	14214	5.36	ug/l	97
64) Tetrachloroethene	8.30	164	16087	5.59	ug/l	90
65) Chlorobenzene	9.94	112	43825	5.61	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	18105	5.80	ug/l	89
67) Ethyl Benzene	10.04	91	79740	5.93	ug/l	98
68) m/p-Xylenes	10.26	106	55958	10.96	ug/l	86
69) o-Xylene	10.83	106	30729	5.59	ug/l	93
70) Styrene	10.90	104	44175	5.35	ug/l	96
71) Bromoform	10.88	173	12596	5.86	ug/l	95
73) Isopropylbenzene	11.23	105	86958	4.87	ug/l	98
74) N-amyl acetate	11.47	43	25852	4.08	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	20305	4.80	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	14579	4.65	ug/l	94
77) Bromobenzene	11.59	156	24921	5.47	ug/l	92
78) n-propylbenzene	11.68	91	116318	5.50	ug/l	94
79) 2-Chlorotoluene	11.81	91	65513	5.22	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	77813	5.24	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	9939	4.87	ug/l #	87
82) 4-Chlorotoluene	11.99	91	72447	5.42	ug/l	93
83) tert-Butylbenzene	12.22	119	78247	5.28	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	80782	5.28	ug/l	93
85) sec-Butylbenzene	12.39	105	106638	5.34	ug/l	99
86) p-Isopropyltoluene	12.54	119	84535	5.14	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	47848	5.71	ug/l	94
88) 1,4-Dichlorobenzene	12.65	146	45479	5.63	ug/l	98
89) n-Butylbenzene	12.92	91	89172	5.22	ug/l	93
90) Hexachloroethane	12.99	117	20856	5.16	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	45491	5.64	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	3881	4.60	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	30346	5.29	ug/l	93
94) Hexachlorobutadiene	14.26	225	18159	5.48	ug/l	95
95) Naphthalene	14.52	128	56035	4.57	ug/l	96
96) 1,2,3-Trichlorobenzene	14.67	180	27793	5.24	ug/l	93

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

