

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060024.D
 Acq On : 21 Aug 2018 17:27
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 8/22/2018 10:09:21 AM

Quant Time: Aug 22 04:18:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:57:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	230491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	325664	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	359948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	218473	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	29568	6.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.90%	
35) Dibromofluoromethane	4.30	113	26454	8.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.52%	
50) Toluene-d8	7.71	98	77091	10.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.04%	
62) 4-Bromofluorobenzene	11.52	95	42043	9.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	29117	7.72	ug/l	95
3) Chloromethane	1.08	50	21939	10.46	ug/l	99
4) Vinyl Chloride	1.13	62	18278	7.99	ug/l	91
5) Bromomethane	1.32	94	14669	6.70	ug/l	96
6) Chloroethane	1.39	64	8066	7.06	ug/l	89
7) Trichlorofluoromethane	1.49	101	39623	6.30	ug/l	99
8) Diethyl Ether	1.71	74	6026	6.35	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.87	101	20360	6.83	ug/l	96
10) Methyl Iodide	1.93	142	24045	6.38	ug/l	97
11) Tert butyl alcohol	2.68	59	7780	31.50	ug/l #	80
12) 1,1-Dichloroethene	1.84	96	15027	7.22	ug/l	87
13) Acrolein	2.09	56	3133	23.45	ug/l	84
14) Allyl chloride	2.19	41	25583	7.27	ug/l	96
15) Acrylonitrile	3.08	53	16152	40.52	ug/l	94
16) Acetone	2.34	43	41680	31.53	ug/l	100
17) Carbon Disulfide	1.85	76	50803	7.72	ug/l #	90
18) Methyl Acetate	2.46	43	15852	6.28	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	43628	6.44	ug/l #	87
20) Methylene Chloride	2.28	84	18786	6.39	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	17228	7.73	ug/l	90
22) Diisopropyl ether	2.93	45	56588	7.49	ug/l	99
23) Vinyl Acetate	3.34	43	133521	42.30	ug/l	98
24) 1,1-Dichloroethane	3.01	63	33621	6.90	ug/l	99
25) 2-Butanone	4.52	43	51459	47.15	ug/l	100
26) 2,2-Dichloropropane	3.77	77	33071	7.51	ug/l	89
27) cis-1,2-Dichloroethene	3.64	96	22605	10.43	ug/l	94
28) Bromochloromethane	3.90	49	16892	11.23	ug/l	84
29) Tetrahydrofuran	4.26	42	19448	49.67	ug/l	96
30) Chloroform	4.04	83	49164	8.40	ug/l	92
31) Cyclohexane	3.87	56	27644	11.35	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	42263	7.56	ug/l	92
36) 1,1-Dichloropropene	4.47	75	32290	8.84	ug/l	95
37) Ethyl Acetate	4.29	43	20485	10.26	ug/l #	85
38) Carbon Tetrachloride	4.18	117	35911	7.13	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	30822	11.05	ug/l	88
40) Benzene	4.81	78	68911	10.98	ug/l	95
41) Methacrylonitrile	4.92	41	9356	9.68	ug/l	92
42) 1,2-Dichloroethane	5.12	62	37040	7.36	ug/l	99
43) Isopropyl Acetate	7.12	43	21509	9.50	ug/l #	98
44) Trichloroethene	5.68	130	22539	9.40	ug/l	96
45) 1,2-Dichloropropane	6.41	63	17737	9.79	ug/l #	79
46) Dibromomethane	6.26	93	14948	8.62	ug/l	93
47) Bromodichloromethane	6.56	83	35504	7.77	ug/l	97
48) Methyl methacrylate	6.88	41	14616	8.86	ug/l	96
49) 1,4-Dioxane	6.87	88	2550	196.88	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	104267	49.85	ug/l	96
52) Toluene	7.79	92	53145	11.33	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	32885	8.46	ug/l	91
54) cis-1,3-Dichloropropene	7.46	75	36104	9.40	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	16482	8.79	ug/l #	90
56) Ethyl methacrylate	8.77	69	20041	9.18	ug/l	99
57) 1,3-Dichloropropane	9.00	76	31665	9.45	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	9493	54.78	ug/l	100
59) 2-Hexanone	9.63	43	86452	49.99	ug/l	96
60) Dibromochloromethane	8.86	129	25738	7.80	ug/l	97
61) 1,2-Dibromoethane	9.14	107	21162	9.18	ug/l	92
64) Tetrachloroethene	8.31	164	23769	8.71	ug/l	92
65) Chlorobenzene	9.95	112	67789	9.56	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.08	131	24950	7.87	ug/l	96
67) Ethyl Benzene	10.05	91	122867	9.63	ug/l	98
68) m/p-Xylenes	10.27	106	89289	19.85	ug/l	94
69) o-Xylene	10.84	106	45926	9.98	ug/l	92
70) Styrene	10.90	104	72286	9.85	ug/l	99
71) Bromoform	10.89	173	16514	7.06	ug/l	94
73) Isopropylbenzene	11.23	105	137575	10.46	ug/l	98
74) N-amyl acetate	11.47	43	36998	9.75	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.79	83	28445	10.76	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	21879	9.61	ug/l	98
77) Bromobenzene	11.60	156	35872	9.81	ug/l	99
78) n-propylbenzene	11.69	91	168366	10.29	ug/l	96
79) 2-Chlorotoluene	11.82	91	99659	10.15	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	120435	10.21	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	10178m	10.60	ug/l	
82) 4-Chlorotoluene	12.00	91	106545	9.92	ug/l	100
83) tert-Butylbenzene	12.23	119	118875	10.30	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	126146	10.17	ug/l	96
85) sec-Butylbenzene	12.39	105	158485	10.29	ug/l	99
86) p-Isopropyltoluene	12.54	119	128126	9.41	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	66059	9.47	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	65567	9.67	ug/l	98
89) n-Butylbenzene	12.93	91	125974	9.57	ug/l	97
90) Hexachloroethane	13.00	117	28537	9.41	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	67307	10.13	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	5172	7.48	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	43247	8.04	ug/l	97
94) Hexachlorobutadiene	14.27	225	29666	8.39	ug/l	93
95) Naphthalene	14.53	128	48248	6.25	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	39801	7.72	ug/l	93

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

