

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071718\
 Data File : VF059510.D
 Acq On : 17 Jul 2018 16:38
 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
 7/18/2018 3:15:57 PM

Quant Time: Jul 18 01:53:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 01:41:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	285488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	426945	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	404222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	237648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	24237	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	
35) Dibromofluoromethane	4.31	113	19415	5.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.48%	
50) Toluene-d8	7.72	98	50076	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	
62) 4-Bromofluorobenzene	11.51	95	25340	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	20427	6.29	ug/l	86
3) Chloromethane	1.08	50	11946	6.52	ug/l	92
4) Vinyl Chloride	1.15	62	10283	5.39	ug/l	99
5) Bromomethane	1.34	94	7627	5.74	ug/l #	80
6) Chloroethane	1.44	64	4862	4.87	ug/l #	42
7) Trichlorofluoromethane	1.52	101	25236	5.76	ug/l	90
8) Diethyl Ether	1.71	74	5066	5.77	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.91	101	10996	5.29	ug/l #	78
10) Methyl Iodide	1.96	142	16994	4.85	ug/l	88
11) Tert butyl alcohol	2.69	59	6691	33.48	ug/l #	90
12) 1,1-Dichloroethene	1.88	96	12344	6.14	ug/l #	67
13) Acrolein	2.09	56	3845	34.43	ug/l	85
14) Allyl chloride	2.19	41	15603	5.92	ug/l #	97
15) Acrylonitrile	3.09	53	10466	28.38	ug/l	87
16) Acetone	2.34	43	22985m	31.40	ug/l	
17) Carbon Disulfide	1.89	76	29261	5.37	ug/l #	85
18) Methyl Acetate	2.45	43	11150	7.42	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	36072	5.49	ug/l #	92
20) Methylene Chloride	2.32	84	19136	7.30	ug/l #	81
21) trans-1,2-Dichloroethene	2.41	96	9934	5.43	ug/l	86
22) Diisopropyl ether	2.94	45	37298	4.94	ug/l #	98
23) Vinyl Acetate	3.34	43	109031	24.84	ug/l	99
24) 1,1-Dichloroethane	3.01	63	24379	5.68	ug/l	99
25) 2-Butanone	4.52	43	29738	27.95	ug/l #	88
26) 2,2-Dichloropropane	3.77	77	18639	6.48	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	11057	4.42	ug/l	94
28) Bromochloromethane	3.89	49	11124	5.59	ug/l	100
29) Tetrahydrofuran	4.27	42	14827	32.44	ug/l	91
30) Chloroform	4.04	83	35025	5.44	ug/l	98
31) Cyclohexane	3.86	56	10632	4.39	ug/l #	84
32) 1,1,1-Trichloroethane	4.28	97	21841	4.89	ug/l #	86
36) 1,1-Dichloropropene	4.47	75	22290	5.13	ug/l #	93
37) Ethyl Acetate	4.30	43	13865	5.21	ug/l #	61
38) Carbon Tetrachloride	4.18	117	25025	4.96	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	15367	4.69	ug/l	89
40) Benzene	4.82	78	42558	5.04	ug/l	94
41) Methacrylonitrile	4.94	41	6990	5.45	ug/l #	85
42) 1,2-Dichloroethane	5.13	62	26870	4.97	ug/l	96
43) Isopropyl Acetate	7.13	43	15835	4.97	ug/l #	99
44) Trichloroethene	5.68	130	16096	5.29	ug/l	96
45) 1,2-Dichloropropane	6.41	63	11237	4.69	ug/l	91
46) Dibromomethane	6.26	93	10830	5.06	ug/l	85
47) Bromodichloromethane	6.56	83	25863	4.73	ug/l	97
48) Methyl methacrylate	6.89	41	11676	5.08	ug/l	95
49) 1,4-Dioxane	6.89	88	705	67.86	ug/l #	40
51) 4-Methyl-2-Pentanone	8.42	43	59044	26.41	ug/l	97
52) Toluene	7.79	92	31381	5.17	ug/l	84
53) t-1,3-Dichloropropene	8.44	75	24935	5.16	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	23958	4.78	ug/l #	84
55) 1,1,2-Trichloroethane	8.64	97	11058	4.57	ug/l	95
56) Ethyl methacrylate	8.77	69	14025	4.60	ug/l	88
57) 1,3-Dichloropropane	9.02	76	20493	4.98	ug/l	88
58) 2-Chloroethyl Vinyl ether	7.79	63	7057	27.73	ug/l	100
59) 2-Hexanone	9.65	43	41881	23.88	ug/l	99
60) Dibromochloromethane	8.87	129	19555	4.98	ug/l	90
61) 1,2-Dibromoethane	9.15	107	14970	5.11	ug/l	97
64) Tetrachloroethene	8.31	164	16248	5.10	ug/l	94
65) Chlorobenzene	9.96	112	38636	5.08	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	18254	5.30	ug/l	86
67) Ethyl Benzene	10.05	91	72317	5.33	ug/l	100
68) m/p-Xylenes	10.28	106	52157	10.73	ug/l	100
69) o-Xylene	10.84	106	24885	4.93	ug/l	85
70) Styrene	10.91	104	42499	5.32	ug/l	98
71) Bromoform	10.90	173	11741	4.68	ug/l	96
73) Isopropylbenzene	11.24	105	78559	5.18	ug/l	100
74) N-amyl acetate	11.47	43	24425	4.54	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.80	83	18621	5.60	ug/l	91
76) 1,2,3-Trichloropropane	11.90	75	14390	5.25	ug/l	98
77) Bromobenzene	11.60	156	22353	5.23	ug/l	96
78) n-propylbenzene	11.70	91	92327	5.26	ug/l	99
79) 2-Chlorotoluene	11.82	91	58909	5.55	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	68816	5.28	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	6767m	5.21	ug/l	
82) 4-Chlorotoluene	12.00	91	64479	5.25	ug/l	97
83) tert-Butylbenzene	12.22	119	63390	5.20	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	69744	5.36	ug/l	94
85) sec-Butylbenzene	12.40	105	82433	5.35	ug/l	100
86) p-Isopropyltoluene	12.55	119	69632	5.11	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	39463	5.40	ug/l	95
88) 1,4-Dichlorobenzene	12.66	146	38523	5.44	ug/l	98
89) n-Butylbenzene	12.92	91	64109	5.12	ug/l	89
90) Hexachloroethane	13.00	117	16250	5.30	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	38262	5.61	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	3182	4.31	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	20544	4.82	ug/l	95
94) Hexachlorobutadiene	14.26	225	10030	5.31	ug/l	98
95) Naphthalene	14.53	128	43197	4.76	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	18766	5.05	ug/l	98

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

