

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070718\
 Data File : VF059470.D
 Acq On : 7 Jul 2018 2:05
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 7/9/2018 9:34:09 AM

Quant Time: Jul 07 05:50:28 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	5.01	168	228510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	326324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	321136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	231437	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	19935	6.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.60%	
35) Dibromofluoromethane	4.26	113	16984	6.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.50%	
50) Toluene-d8	7.68	98	35171	5.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.38%	
62) 4-Bromofluorobenzene	11.48	95	21003	6.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	17626	7.66	ug/l	92
3) Chloromethane	1.07	50	8474	5.87	ug/l	94
4) Vinyl Chloride	1.13	62	8258	5.80	ug/l	93
5) Bromomethane	1.32	94	6608	6.79	ug/l	98
6) Chloroethane	1.41	64	4574	6.34	ug/l	97
7) Trichlorofluoromethane	1.48	101	16103m	5.50	ug/l	
8) Diethyl Ether	1.68	74	3468	4.84	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.88	101	10446	6.26	ug/l	90
10) Methyl Iodide	1.94	142	18633	6.16	ug/l #	84
11) Tert butyl alcohol	2.66	59	4389	22.32	ug/l	96
12) 1,1-Dichloroethene	1.83	96	8796	6.20	ug/l	88
13) Acrolein	2.07	56	3694m	31.64	ug/l	
14) Allyl chloride	2.17	41	15088	5.84	ug/l #	93
15) Acrylonitrile	3.05	53	9066	26.38	ug/l	92
16) Acetone	2.32	43	16297	20.92	ug/l #	93
17) Carbon Disulfide	1.84	76	21990	6.51	ug/l	95
18) Methyl Acetate	2.43	43	7242	4.70	ug/l	94
19) Methyl tert-butyl Ether	2.51	73	28384	5.51	ug/l	96
20) Methylene Chloride	2.26	84	13827m	6.17	ug/l	
21) trans-1,2-Dichloroethene	2.39	96	9513	6.32	ug/l	90
22) Diisopropyl ether	2.90	45	30527	5.39	ug/l #	92
23) Vinyl Acetate	3.30	43	87346	24.41	ug/l	99
24) 1,1-Dichloroethane	2.98	63	21391	5.96	ug/l #	93
25) 2-Butanone	4.47	43	20320	21.65	ug/l #	91
26) 2,2-Dichloropropane	3.73	77	13129	5.47	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	10888	4.93	ug/l	86
28) Bromochloromethane	3.86	49	8676	5.58	ug/l	100
29) Tetrahydrofuran	4.22	42	9750	23.55	ug/l	95
30) Chloroform	4.00	83	30384	5.85	ug/l	93
31) Cyclohexane	3.84	56	12094	5.22	ug/l	98
32) 1,1,1-Trichloroethane	4.23	97	24387	6.38	ug/l	89
36) 1,1-Dichloropropene	4.43	75	17161	5.76	ug/l	92
37) Ethyl Acetate	4.26	43	10797	5.36	ug/l #	97
38) Carbon Tetrachloride	4.13	117	27832	7.26	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	13616	5.15	ug/l #	76
40) Benzene	4.78	78	35644	5.56	ug/l	94
41) Methacrylonitrile	4.89	41	4124	4.23	ug/l #	74
42) 1,2-Dichloroethane	5.09	62	27468	7.04	ug/l	95
43) Isopropyl Acetate	7.09	43	10789	4.56	ug/l #	93
44) Trichloroethene	5.64	130	12692	5.65	ug/l	67
45) 1,2-Dichloropropane	6.38	63	10576	5.80	ug/l	98
46) Dibromomethane	6.22	93	9262	5.76	ug/l #	86
47) Bromodichloromethane	6.51	83	22748	5.81	ug/l #	98
48) Methyl methacrylate	6.84	41	8422	5.23	ug/l #	80
49) 1,4-Dioxane	6.83	88	759	78.19	ug/l #	89
51) 4-Methyl-2-Pentanone	8.37	43	42318	24.00	ug/l	100
52) Toluene	7.75	92	25410	5.26	ug/l	97
53) t-1,3-Dichloropropene	8.39	75	20139	5.68	ug/l #	85
54) cis-1,3-Dichloropropene	7.42	75	18549	4.89	ug/l	96
55) 1,1,2-Trichloroethane	8.60	97	9860	5.29	ug/l #	63
56) Ethyl methacrylate	8.73	69	10013	4.41	ug/l #	88
57) 1,3-Dichloropropane	8.97	76	17571	5.49	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.74	63	5636	31.50	ug/l	100
59) 2-Hexanone	9.60	43	30272	20.82	ug/l	96
60) Dibromochloromethane	8.82	129	15255	5.25	ug/l	96
61) 1,2-Dibromoethane	9.10	107	11174	4.93	ug/l	99
64) Tetrachloroethene	8.27	164	13992	6.35	ug/l	95
65) Chlorobenzene	9.91	112	33101	5.44	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.03	131	15885	5.99	ug/l	89
67) Ethyl Benzene	10.00	91	57702	5.57	ug/l	98
68) m/p-Xylenes	10.24	106	43261	11.82	ug/l	96
69) o-Xylene	10.80	106	21429	5.25	ug/l	98
70) Styrene	10.87	104	31826	5.11	ug/l	96
71) Bromoform	10.86	173	10086	5.58	ug/l	89
73) Isopropylbenzene	11.21	105	64401	4.67	ug/l	98
74) N-amyl acetate	11.44	43	17288	3.55	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.76	83	15805	4.66	ug/l	82
76) 1,2,3-Trichloropropane	11.87	75	12881	4.95	ug/l	91
77) Bromobenzene	11.57	156	18820	4.96	ug/l	95
78) n-propylbenzene	11.66	91	88740	5.37	ug/l	99
79) 2-Chlorotoluene	11.79	91	53538	5.28	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	63610	5.24	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.94	75	6414	4.25	ug/l	95
82) 4-Chlorotoluene	11.97	91	56098	5.22	ug/l	100
83) tert-Butylbenzene	12.19	119	60556	5.04	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	66925	5.28	ug/l	98
85) sec-Butylbenzene	12.37	105	82658	5.16	ug/l	99
86) p-Isopropyltoluene	12.52	119	69228	5.13	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	42564	6.04	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	39220	5.73	ug/l	88
89) n-Butylbenzene	12.90	91	67610	4.94	ug/l	97
90) Hexachloroethane	12.97	117	19139	5.68	ug/l	75
91) 1,2-Dichlorobenzene	13.00	146	40779	5.91	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	4069	5.29	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	27872	5.44	ug/l	99
94) Hexachlorobutadiene	14.24	225	16841	5.73	ug/l	96
95) Naphthalene	14.51	128	46607	4.34	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.65	180	23273	4.77	ug/l	95

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

