

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082118\
 Data File : VF060023.D
 Acq On : 21 Aug 2018 16:59
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 8/22/2018 10:09:16 AM

Quant Time: Aug 22 04:09:21 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	241447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	349928	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	368743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	232365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	17471	3.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.84%	
35) Dibromofluoromethane	4.30	113	14589	4.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.48%	
50) Toluene-d8	7.72	98	42734	5.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.86%	
62) 4-Bromofluorobenzene	11.51	95	23284	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	19615	4.97	ug/l	91
3) Chloromethane	1.07	50	16611	7.56	ug/l	96
4) Vinyl Chloride	1.12	62	10360	4.32	ug/l	98
5) Bromomethane	1.32	94	8566	3.73	ug/l	92
6) Chloroethane	1.39	64	4180	3.49	ug/l	100
7) Trichlorofluoromethane	1.49	101	22156	3.36	ug/l	97
8) Diethyl Ether	1.70	74	3455	3.47	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.86	101	10462	3.35	ug/l	96
10) Methyl Iodide	1.93	142	12539	3.17	ug/l	97
11) Tert butyl alcohol	2.69	59	4400	17.00	ug/l #	73
12) 1,1-Dichloroethene	1.83	96	7779	3.57	ug/l	87
13) Acrolein	2.09	56	1552	11.09	ug/l #	80
14) Allyl chloride	2.19	41	14483	3.93	ug/l	88
15) Acrylonitrile	3.07	53	9407	22.53	ug/l	90
16) Acetone	2.35	43	21350	15.42	ug/l	96
17) Carbon Disulfide	1.84	76	26025	3.78	ug/l	96
18) Methyl Acetate	2.45	43	11462m	4.34	ug/l	
19) Methyl tert-butyl Ether	2.54	73	24819	3.50	ug/l #	89
20) Methylene Chloride	2.29	84	15003	4.87	ug/l	90
21) trans-1,2-Dichloroethene	2.42	96	9584	4.10	ug/l	84
22) Diisopropyl ether	2.93	45	30275	3.83	ug/l	96
23) Vinyl Acetate	3.33	43	68841	20.82	ug/l	96
24) 1,1-Dichloroethane	3.01	63	20146	3.94	ug/l #	98
25) 2-Butanone	4.51	43	29737	26.01	ug/l	99
26) 2,2-Dichloropropane	3.76	77	19302	4.19	ug/l	89
27) cis-1,2-Dichloroethene	3.65	96	13305	5.86	ug/l	89
28) Bromochloromethane	3.89	49	9050	5.74	ug/l	91
29) Tetrahydrofuran	4.27	42	11950	29.13	ug/l	96
30) Chloroform	4.04	83	27709	4.52	ug/l	90
31) Cyclohexane	3.86	56	16660	6.53	ug/l	94
32) 1,1,1-Trichloroethane	4.28	97	23459	4.01	ug/l	99
36) 1,1-Dichloropropene	4.47	75	18409	4.69	ug/l	99
37) Ethyl Acetate	4.29	43	10050	4.68	ug/l	80
38) Carbon Tetrachloride	4.18	117	21022	3.88	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	18044	6.02	ug/l	99
40) Benzene	4.81	78	41771	6.20	ug/l	90
41) Methacrylonitrile	4.93	41	6031	5.81	ug/l #	84
42) 1,2-Dichloroethane	5.13	62	21815	4.03	ug/l	99
43) Isopropyl Acetate	7.12	43	12857	5.28	ug/l #	100
44) Trichloroethene	5.68	130	14179	5.50	ug/l	91
45) 1,2-Dichloropropane	6.41	63	11108	5.71	ug/l #	87
46) Dibromomethane	6.26	93	8375	4.50	ug/l #	88
47) Bromodichloromethane	6.55	83	20241	4.12	ug/l	94
48) Methyl methacrylate	6.88	41	8868	5.00	ug/l	98
49) 1,4-Dioxane	6.88	88	1625	116.76	ug/l #	81
51) 4-Methyl-2-Pentanone	8.41	43	60872	27.08	ug/l	97
52) Toluene	7.79	92	31099	6.17	ug/l	85
53) t-1,3-Dichloropropene	8.43	75	18648	4.47	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	19444	4.71	ug/l #	84
55) 1,1,2-Trichloroethane	8.64	97	9852	4.89	ug/l #	78
56) Ethyl methacrylate	8.76	69	11200	4.77	ug/l	97
57) 1,3-Dichloropropane	9.01	76	17914	4.98	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.79	63	5470	29.37	ug/l	100
59) 2-Hexanone	9.64	43	47132	25.36	ug/l	97
60) Dibromochloromethane	8.87	129	14394	4.06	ug/l	94
61) 1,2-Dibromoethane	9.14	107	11897	4.80	ug/l	98
64) Tetrachloroethene	8.31	164	15246	5.46	ug/l #	86
65) Chlorobenzene	9.95	112	40703	5.61	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	10.07	131	14120	4.35	ug/l	92
67) Ethyl Benzene	10.04	91	68902	5.27	ug/l	98
68) m/p-Xylenes	10.28	106	55086	11.96	ug/l	89
69) o-Xylene	10.83	106	25774	5.47	ug/l	88
70) Styrene	10.90	104	40645	5.40	ug/l	95
71) Bromoform	10.89	173	9032	3.77	ug/l	95
73) Isopropylbenzene	11.24	105	75110	5.37	ug/l	98
74) N-amyl acetate	11.46	43	21383	5.30	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	16135	5.74	ug/l	93
76) 1,2,3-Trichloropropane	11.89	75	13190	5.45	ug/l	99
77) Bromobenzene	11.60	156	21095	5.43	ug/l	99
78) n-propylbenzene	11.69	91	103237	5.93	ug/l	99
79) 2-Chlorotoluene	11.82	91	58572	5.61	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	67807	5.40	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.97	75	4370m	4.28	ug/l	
82) 4-Chlorotoluene	12.00	91	62917	5.51	ug/l	97
83) tert-Butylbenzene	12.22	119	65941	5.37	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	75641	5.73	ug/l	100
85) sec-Butylbenzene	12.39	105	100251	6.12	ug/l	97
86) p-Isopropyltoluene	12.55	119	77042	5.32	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	41698	5.62	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	39073	5.42	ug/l	96
89) n-Butylbenzene	12.92	91	72053	5.15	ug/l	99
90) Hexachloroethane	13.00	117	16800	5.21	ug/l	96
91) 1,2-Dichlorobenzene	13.02	146	36301	5.14	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	3043	4.14	ug/l	50

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	26909	4.70	ug/l	97
94) Hexachlorobutadiene	14.26	225	15881	4.23	ug/l	99
95) Naphthalene	14.53	128	32092	3.91	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	23926	4.36	ug/l	97

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

