

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059952.D
 Acq On : 14 Aug 2018 18:41
 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
 8/16/2018 12:14:55 PM

Quant Time: Aug 15 09:05:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	128817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	166573	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	163153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	109233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	11176	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
35) Dibromofluoromethane	4.31	113	9068	5.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.02%	
50) Toluene-d8	7.73	98	18087	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
62) 4-Bromofluorobenzene	11.53	95	9930	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	9430	4.39	ug/l	98
3) Chloromethane	1.09	50	4079	4.10	ug/l	97
4) Vinyl Chloride	1.17	62	4179	4.05	ug/l	89
5) Bromomethane	1.34	94	4415	4.56	ug/l #	64
6) Chloroethane	1.43	64	2771	4.28	ug/l	93
7) Trichlorofluoromethane	1.53	101	13663m	4.79	ug/l	
8) Diethyl Ether	1.71	74	1741	3.91	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	1.91	101	6713	4.32	ug/l	89
10) Methyl Iodide	1.97	142	10722m	4.51	ug/l	
11) Tert butyl alcohol	2.69	59	2130	22.43	ug/l	93
12) 1,1-Dichloroethene	1.87	96	4936	4.34	ug/l	79
13) Acrolein	2.10	56	1305	23.12	ug/l #	43
14) Allyl chloride	2.20	41	9276	5.08	ug/l	99
15) Acrylonitrile	3.09	53	3229	19.46	ug/l #	62
16) Acetone	2.34	43	13016	30.22	ug/l #	92
17) Carbon Disulfide	1.89	76	13424	4.49	ug/l	95
18) Methyl Acetate	2.46	43	3687	5.20	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	14333	4.45	ug/l #	88
20) Methylene Chloride	2.35	84	7910m	7.37	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	5342	4.75	ug/l	84
22) Diisopropyl ether	2.94	45	16544	4.54	ug/l	91
23) Vinyl Acetate	3.34	43	36891	20.78	ug/l #	95
24) 1,1-Dichloroethane	3.02	63	12500	4.72	ug/l #	94
25) 2-Butanone	4.52	43	10920	23.63	ug/l #	75
26) 2,2-Dichloropropane	3.78	77	7968	5.07	ug/l	94
27) cis-1,2-Dichloroethene	3.65	96	5516	4.40	ug/l	93
28) Bromochloromethane	3.91	49	5011	5.28	ug/l	92
29) Tetrahydrofuran	4.28	42	3685	21.66	ug/l	97
30) Chloroform	4.05	83	15385	4.29	ug/l	95
31) Cyclohexane	3.89	56	5473	4.19	ug/l #	86
32) 1,1,1-Trichloroethane	4.28	97	13737	4.78	ug/l #	75
36) 1,1-Dichloropropene	4.48	75	9690	5.12	ug/l	91
37) Ethyl Acetate	4.30	43	3620	4.46	ug/l #	33
38) Carbon Tetrachloride	4.19	117	16591	5.88	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	6510	4.62	ug/l	90
40) Benzene	4.82	78	16521	2.59	ug/l #	78
41) Methacrylonitrile	4.93	41	2007	4.73	ug/l #	79
42) 1,2-Dichloroethane	5.14	62	12983	4.92	ug/l	97
43) Isopropyl Acetate	7.13	43	4017	4.70	ug/l	98
44) Trichloroethene	5.69	130	6271	4.99	ug/l	83
45) 1,2-Dichloropropane	6.42	63	4296	4.94	ug/l	97
46) Dibromomethane	6.27	93	4287	4.87	ug/l #	76
47) Bromodichloromethane	6.57	83	11594	4.80	ug/l	99
48) Methyl methacrylate	6.89	41	2815	4.27	ug/l	94
49) 1,4-Dioxane	6.87	88	395m	119.25	ug/l	
51) 4-Methyl-2-Pentanone	8.42	43	20074	23.13	ug/l	100
52) Toluene	7.79	92	11510	4.79	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	9354	5.01	ug/l	91
54) cis-1,3-Dichloropropene	7.47	75	8121	4.25	ug/l #	85
55) 1,1,2-Trichloroethane	8.66	97	3701	4.28	ug/l #	78
56) Ethyl methacrylate	8.79	69	3527	7.11	ug/l	90
57) 1,3-Dichloropropane	9.02	76	6730	4.49	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	2678	23.44	ug/l	100
59) 2-Hexanone	9.64	43	14371	23.30	ug/l	98
60) Dibromochloromethane	8.87	129	7371	4.53	ug/l	86
61) 1,2-Dibromoethane	9.15	107	4284	4.07	ug/l	96
64) Tetrachloroethene	8.32	164	7496	5.50	ug/l #	82
65) Chlorobenzene	9.96	112	17444	5.34	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	10.09	131	7580	4.69	ug/l	82
67) Ethyl Benzene	10.06	91	28600	5.06	ug/l	93
68) m/p-Xylenes	10.28	106	20068	10.26	ug/l	93
69) o-Xylene	10.85	106	9813	4.78	ug/l	92
70) Styrene	10.91	104	14167	4.57	ug/l	93
71) Bromoform	10.89	173	4993	5.01	ug/l	88
73) Isopropylbenzene	11.24	105	32251	4.77	ug/l	99
74) N-amyl acetate	11.48	43	6391	6.56	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.80	83	6204	4.92	ug/l	99
76) 1,2,3-Trichloropropane	11.90	75	4778	4.39	ug/l	91
77) Bromobenzene	11.60	156	8887	4.82	ug/l	93
78) n-propylbenzene	11.70	91	40795	5.10	ug/l	89
79) 2-Chlorotoluene	11.82	91	26029	5.17	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	31832	5.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	2066m	4.78	ug/l	
82) 4-Chlorotoluene	12.00	91	30195	5.46	ug/l	91
83) tert-Butylbenzene	12.23	119	30507	4.96	ug/l	91
84) 1,2,4-Trimethylbenzene	12.29	105	30695	4.72	ug/l	92
85) sec-Butylbenzene	12.40	105	39961	4.90	ug/l	100
86) p-Isopropyltoluene	12.55	119	33464	4.90	ug/l	94
87) 1,3-Dichlorobenzene	12.57	146	18369	5.26	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	17286	5.03	ug/l	96
89) n-Butylbenzene	12.93	91	32551	4.94	ug/l	95
90) Hexachloroethane	13.00	117	9109	4.89	ug/l	80
91) 1,2-Dichlorobenzene	13.03	146	17954	5.37	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	1287	4.05	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	13771	5.35	ug/l	88
94) Hexachlorobutadiene	14.27	225	9991	5.48	ug/l	96
95) Naphthalene	14.53	128	20597	4.68	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	12488	4.96	ug/l	92

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

