

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059956.D
 Acq On : 14 Aug 2018 20:32
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 8/16/2018 12:15:09 PM

Quant Time: Aug 15 09:11:33 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	5.07	168	122676	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.79	114	172140	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	173940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	117001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	156077	70.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.88%	
35) Dibromofluoromethane	4.32	113	123171	72.46	ug/l	0.01
Spiked Amount	50.000		Recovery	=	144.92%	
50) Toluene-d8	7.73	98	277621	76.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.08%	
62) 4-Bromofluorobenzene	11.53	95	156073	75.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	125581	61.39	ug/l	87
3) Chloromethane	1.10	50	56019	59.10	ug/l	92
4) Vinyl Chloride	1.17	62	64654	65.74	ug/l	98
5) Bromomethane	1.34	94	57437	62.32	ug/l	98
6) Chloroethane	1.43	64	43200	70.10	ug/l	95
7) Trichlorofluoromethane	1.54	101	184668	67.96	ug/l	100
8) Diethyl Ether	1.71	74	26246	61.82	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.90	101	90812	61.38	ug/l	95
10) Methyl Iodide	1.96	142	144709	63.91	ug/l	96
11) Tert butyl alcohol	2.69	59	30058	332.33	ug/l	93
12) 1,1-Dichloroethene	1.87	96	65640	60.56	ug/l	91
13) Acrolein	2.10	56	20341	378.43	ug/l	89
14) Allyl chloride	2.20	41	109352	62.85	ug/l	97
15) Acrylonitrile	3.09	53	45603	288.66	ug/l	95
16) Acetone	2.35	43	137083	334.20	ug/l #	92
17) Carbon Disulfide	1.89	76	169394	59.44	ug/l	96
18) Methyl Acetate	2.47	43	41093	60.88	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	203147	66.16	ug/l	100
20) Methylene Chloride	2.29	84	61358m	67.01	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	65039	60.70	ug/l	97
22) Diisopropyl ether	2.94	45	221104	63.68	ug/l	97
23) Vinyl Acetate	3.35	43	583394	345.14	ug/l	100
24) 1,1-Dichloroethane	3.02	63	154757	61.36	ug/l	97
25) 2-Butanone	4.53	43	146104	331.92	ug/l	95
26) 2,2-Dichloropropane	3.79	77	102698	68.56	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	76782	64.37	ug/l	98
28) Bromochloromethane	3.91	49	55944	61.88	ug/l	87
29) Tetrahydrofuran	4.27	42	53259	328.71	ug/l	99
30) Chloroform	4.05	83	218126	63.87	ug/l	96
31) Cyclohexane	3.89	56	81256	65.26	ug/l	90
32) 1,1,1-Trichloroethane	4.30	97	183268	67.00	ug/l	97
36) 1,1-Dichloropropene	4.48	75	135321	69.25	ug/l	99
37) Ethyl Acetate	4.31	43	57424	68.49	ug/l	81
38) Carbon Tetrachloride	4.19	117	211084	72.42	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	100033	68.63	ug/l	98
40) Benzene	4.83	78	218243	65.37	ug/l	98
41) Methacrylonitrile	4.94	41	29594	67.44	ug/l #	88
42) 1,2-Dichloroethane	5.14	62	176730	64.85	ug/l	97
43) Isopropyl Acetate	7.13	43	64842	73.43	ug/l	99
44) Trichloroethene	5.69	130	85018	65.40	ug/l	95
45) 1,2-Dichloropropane	6.42	63	61748	68.77	ug/l	89
46) Dibromomethane	6.27	93	58899	64.70	ug/l	92
47) Bromodichloromethane	6.57	83	166364	66.71	ug/l	95
48) Methyl methacrylate	6.89	41	53396	78.35	ug/l	89
49) 1,4-Dioxane	6.88	88	7814	1508.29	ug/l	88
51) 4-Methyl-2-Pentanone	8.42	43	308439	343.93	ug/l	98
52) Toluene	7.80	92	163319	65.80	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	138122	71.53	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	141604	71.76	ug/l	99
55) 1,1,2-Trichloroethane	8.66	97	62133	69.60	ug/l	99
56) Ethyl methacrylate	8.78	69	68886	68.38	ug/l	95
57) 1,3-Dichloropropane	9.02	76	105468	68.05	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.80	63	40091	339.51	ug/l	100
59) 2-Hexanone	9.64	43	227153	356.43	ug/l	96
60) Dibromochloromethane	8.88	129	116411	69.17	ug/l	98
61) 1,2-Dibromoethane	9.15	107	74193	68.23	ug/l	98
64) Tetrachloroethene	8.32	164	91095	62.68	ug/l	94
65) Chlorobenzene	9.96	112	234054	67.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	114745	66.66	ug/l	97
67) Ethyl Benzene	10.06	91	407813	67.63	ug/l	94
68) m/p-Xylenes	10.28	106	273497	131.13	ug/l	96
69) o-Xylene	10.85	106	154424	70.57	ug/l	97
70) Styrene	10.91	104	220673	66.81	ug/l	95
71) Bromoform	10.90	173	70845	66.73	ug/l	99
73) Isopropylbenzene	11.24	105	510325	70.48	ug/l	98
74) N-amyl acetate	11.48	43	119031	65.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	80488	59.65	ug/l	96
76) 1,2,3-Trichloropropane	11.90	75	72317	62.07	ug/l	95
77) Bromobenzene	11.60	156	129656	65.67	ug/l	83
78) n-propylbenzene	11.70	91	567803	66.28	ug/l	98
79) 2-Chlorotoluene	11.83	91	351876	65.26	ug/l	98
80) 1,3,5-Trimethylbenzene	11.93	105	456336	67.91	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.97	75	29977m	64.74	ug/l	
82) 4-Chlorotoluene	12.00	91	382385	64.53	ug/l	97
83) tert-Butylbenzene	12.23	119	453953	68.97	ug/l	95
84) 1,2,4-Trimethylbenzene	12.30	105	464991	66.76	ug/l	98
85) sec-Butylbenzene	12.40	105	582469	66.73	ug/l	95
86) p-Isopropyltoluene	12.55	119	510196	69.77	ug/l	98
87) 1,3-Dichlorobenzene	12.57	146	235165	62.91	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	248886	67.63	ug/l	98
89) n-Butylbenzene	12.93	91	495087	70.18	ug/l	99
90) Hexachloroethane	13.00	117	129291	64.85	ug/l	75
91) 1,2-Dichlorobenzene	13.03	146	229756	64.10	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	22563	66.25	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	192186	69.69	µg/l	94
94) Hexachlorobutadiene	14.27	225	135054	69.19	µg/l	97
95) Naphthalene	14.53	128	321948	68.23	µg/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	185428	68.74	µg/l	97

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

