

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080418\
 Data File : VF059867.D
 Acq On : 4 Aug 2018 5:40
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:26:09 AM

Quant Time: Aug 04 06:32:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 05:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	198012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	302673	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	296633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	187108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	347827	96.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.34%	
35) Dibromofluoromethane	4.30	113	274614	86.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.48%	
50) Toluene-d8	7.71	98	652141	89.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.24%	
62) 4-Bromofluorobenzene	11.52	95	356472	88.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	330521	114.28	ug/l	99
3) Chloromethane	1.09	50	155955	110.59	ug/l	98
4) Vinyl Chloride	1.16	62	166817	114.96	ug/l	92
5) Bromomethane	1.34	94	139035	115.75	ug/l	98
6) Chloroethane	1.42	64	103621	113.56	ug/l	98
7) Trichlorofluoromethane	1.53	101	427873m	110.73	ug/l	
8) Diethyl Ether	1.71	74	69071	107.12	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.90	101	219105	108.37	ug/l	98
10) Methyl Iodide	1.96	142	370798	115.48	ug/l	99
11) Tert butyl alcohol	2.69	59	73567	464.90	ug/l #	93
12) 1,1-Dichloroethene	1.86	96	176221	109.63	ug/l	88
13) Acrolein	2.09	56	44821	652.38	ug/l	97
14) Allyl chloride	2.19	41	290367	112.69	ug/l	96
15) Acrylonitrile	3.08	53	142706	544.69	ug/l #	89
16) Acetone	2.34	43	322792	497.37	ug/l	97
17) Carbon Disulfide	1.90	76	469257m	117.27	ug/l	
18) Methyl Acetate	2.46	43	107367	88.59	ug/l #	90
19) Methyl tert-butyl Ether	2.54	73	506050	106.10	ug/l	96
20) Methylene Chloride	2.28	84	164766m	88.67	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	175183	108.80	ug/l	96
22) Diisopropyl ether	2.93	45	578307	108.18	ug/l	91
23) Vinyl Acetate	3.33	43	1417422	522.13	ug/l	97
24) 1,1-Dichloroethane	3.00	63	400451	106.87	ug/l	100
25) 2-Butanone	4.52	43	367929	526.29	ug/l	96
26) 2,2-Dichloropropane	3.77	77	221992	86.05	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	204555	103.60	ug/l	90
28) Bromochloromethane	3.90	49	144638	99.45	ug/l	90
29) Tetrahydrofuran	4.25	42	135060	489.18	ug/l	99
30) Chloroform	4.04	83	521730	99.82	ug/l	94
31) Cyclohexane	3.87	56	213795	105.22	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	412647	100.71	ug/l	95
36) 1,1-Dichloropropene	4.47	75	335879	93.27	ug/l	98
37) Ethyl Acetate	4.29	43	148219	84.57	ug/l #	77
38) Carbon Tetrachloride	4.17	117	464580m	94.07	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	250014	92.02	ug/l	96
40) Benzene	4.81	78	569802	91.18	ug/l	98
41) Methacrylonitrile	4.92	41	71479	83.01	ug/l #	86
42) 1,2-Dichloroethane	5.12	62	435330	97.55	ug/l	100
43) Isopropyl Acetate	7.12	43	169597	94.43	ug/l #	99
44) Trichloroethene	5.68	130	212570	87.73	ug/l	98
45) 1,2-Dichloropropane	6.41	63	159602	97.21	ug/l	91
46) Dibromomethane	6.26	93	152164	97.33	ug/l	92
47) Bromodichloromethane	6.56	83	417511	97.41	ug/l	100
48) Methyl methacrylate	6.88	41	133912	98.49	ug/l	94
49) 1,4-Dioxane	6.86	88	18331	1749.02	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	795010	556.61	ug/l	97
52) Toluene	7.79	92	437188	94.26	ug/l	92
53) t-1,3-Dichloropropene	8.43	75	328577	90.20	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	353750	99.17	ug/l	92
55) 1,1,2-Trichloroethane	8.65	97	154211	92.81	ug/l	98
56) Ethyl methacrylate	8.77	69	178928	104.09	ug/l	88
57) 1,3-Dichloropropane	9.00	76	274024	95.10	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	98750	472.11	ug/l	100
59) 2-Hexanone	9.63	43	575055	509.74	ug/l	96
60) Dibromochloromethane	8.86	129	294309	98.48	ug/l	100
61) 1,2-Dibromoethane	9.14	107	193918	98.32	ug/l	94
64) Tetrachloroethene	8.31	164	253543	104.81	ug/l	98
65) Chlorobenzene	9.95	112	581271	95.60	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	267837	93.89	ug/l	98
67) Ethyl Benzene	10.05	91	984911	93.34	ug/l	97
68) m/p-Xylenes	10.27	106	692364	187.21	ug/l	91
69) o-Xylene	10.84	106	389329	99.53	ug/l	92
70) Styrene	10.90	104	564271	96.31	ug/l	98
71) Bromoform	10.89	173	175767	95.95	ug/l #	97
73) Isopropylbenzene	11.23	105	1166406	93.10	ug/l	99
74) N-amyl acetate	11.47	43	300278	97.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	212647	91.71	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	182364	91.74	ug/l	91
77) Bromobenzene	11.59	156	308864	94.73	ug/l	87
78) n-propylbenzene	11.69	91	1280408	87.65	ug/l	96
79) 2-Chlorotoluene	11.82	91	853072	93.95	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	1039868	92.15	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	73377m	91.72	ug/l	
82) 4-Chlorotoluene	11.99	91	886597	91.49	ug/l	98
83) tert-Butylbenzene	12.22	119	1026112	91.63	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	1082309	95.55	ug/l	97
85) sec-Butylbenzene	12.39	105	1331300	92.33	ug/l	97
86) p-Isopropyltoluene	12.54	119	1145965	90.11	ug/l	100
87) 1,3-Dichlorobenzene	12.56	146	541653	87.11	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	574500	94.46	ug/l	97
89) n-Butylbenzene	12.93	91	1067933	89.29	ug/l	94
90) Hexachloroethane	12.99	117	310506	97.27	ug/l	91
91) 1,2-Dichlorobenzene	13.02	146	547149	90.99	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	59797	103.72	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	429586	91.94	ug/l	94
94) Hexachlorobutadiene	14.26	225	285234	91.07	ug/l	98
95) Naphthalene	14.52	128	842216	103.03	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	438720	96.67	ug/l	98

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

