

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060171.D
 Acq On : 29 Aug 2018 2:21
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/29/2018 2:02:08 PM

Quant Time: Aug 29 02:41:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 02:30:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	80093	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	91294	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	77417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	37720	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	49271	98.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.16%	
35) Dibromofluoromethane	4.28	113	58737	101.81	ug/l	0.01
Spiked Amount	50.000		Recovery	=	203.62%	
50) Toluene-d8	7.70	98	218603	113.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.82%	
62) 4-Bromofluorobenzene	11.50	95	74164	99.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	179294	110.60	ug/l	99
3) Chloromethane	1.07	50	66288	109.78	ug/l	99
4) Vinyl Chloride	1.12	62	63206	104.75	ug/l	92
5) Bromomethane	1.32	94	37767	133.43	ug/l	94
6) Chloroethane	1.41	64	39087	109.54	ug/l	91
7) Trichlorofluoromethane	1.49	101	300898	107.64	ug/l	100
8) Diethyl Ether	1.68	74	11368	114.17	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.85	101	132880	108.25	ug/l	91
10) Methyl Iodide	1.93	142	69688	126.07	ug/l	98
11) Tert butyl alcohol	2.60	59	4875	767.17	ug/l	99
12) 1,1-Dichloroethene	1.82	96	83401	109.91	ug/l	96
13) Acrolein	2.08	56	5008	471.61	ug/l #	39
14) Allyl chloride	2.19	41	74956	128.54	ug/l	90
15) Acrylonitrile	3.04	53	13445	582.08	ug/l	96
16) Acetone	2.31	43	28429	399.38	ug/l	98
17) Carbon Disulfide	1.84	76	247647	110.92	ug/l	98
18) Methyl Acetate	2.43	43	10694	61.30	ug/l #	83
19) Methyl tert-butyl Ether	2.50	73	62190	115.02	ug/l	94
20) Methylene Chloride	2.28	84	38109	77.88	ug/l	91
21) trans-1,2-Dichloroethene	2.40	96	72482	115.72	ug/l	93
22) Diisopropyl ether	2.89	45	115727	114.43	ug/l	96
23) Vinyl Acetate	3.30	43	169413	750.39	ug/l	99
24) 1,1-Dichloroethane	2.99	63	117030	108.55	ug/l	97
25) 2-Butanone	4.46	43	31449	556.66	ug/l	95
26) 2,2-Dichloropropane	3.74	77	91937	129.35	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	50682	115.96	ug/l	94
28) Bromochloromethane	3.87	49	24504	102.46	ug/l #	64
29) Tetrahydrofuran	4.22	42	15127	612.84	ug/l #	80
30) Chloroform	4.02	83	129754	106.13	ug/l	93
31) Cyclohexane	3.85	56	124463	128.15	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	194705	114.30	ug/l	94
36) 1,1-Dichloropropene	4.44	75	140854	118.20	ug/l	93
37) Ethyl Acetate	4.25	43	17347	125.65	ug/l #	56
38) Carbon Tetrachloride	4.16	117	195894	120.01	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	134562	118.05	ug/l	92
40) Benzene	4.80	78	177897	106.69	ug/l	97
41) Methacrylonitrile	4.89	41	10107	120.73	ug/l #	78
42) 1,2-Dichloroethane	5.09	62	62145	100.19	ug/l	96
43) Isopropyl Acetate	7.10	43	20586	109.85	ug/l #	93
44) Trichloroethene	5.67	130	74945	102.93	ug/l	91
45) 1,2-Dichloropropane	6.39	63	39228	112.50	ug/l	100
46) Dibromomethane	6.24	93	22240	122.67	ug/l	95
47) Bromodichloromethane	6.53	83	76863	111.35	ug/l #	95
48) Methyl methacrylate	6.85	41	15826	94.93	ug/l	92
49) 1,4-Dioxane	6.83	88	1989	2210.88	ug/l #	74
51) 4-Methyl-2-Pentanone	8.39	43	94338	584.92	ug/l	95
52) Toluene	7.77	92	141228	108.04	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	51062	138.38	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	64188	135.81	ug/l #	87
55) 1,1,2-Trichloroethane	8.62	97	24459	111.89	ug/l #	90
56) Ethyl methacrylate	8.74	69	23519	133.60	ug/l	87
57) 1,3-Dichloropropane	8.99	76	44035	120.47	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	28461	523.69	ug/l	100
59) 2-Hexanone	9.62	43	69760	638.58	ug/l	82
60) Dibromochloromethane	8.85	129	42001	119.37	ug/l	82
61) 1,2-Dibromoethane	9.13	107	24207	108.44	ug/l	93
64) Tetrachloroethene	8.30	164	100472	107.06	ug/l	97
65) Chlorobenzene	9.93	112	159736	103.82	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.06	131	52071	100.44	ug/l	96
67) Ethyl Benzene	10.03	91	362733	102.89	ug/l	100
68) m/p-Xylenes	10.26	106	242191	199.74	ug/l	81
69) o-Xylene	10.82	106	112124	112.05	ug/l	99
70) Styrene	10.89	104	141373	114.80	ug/l	99
71) Bromoform	10.88	173	21116	124.65	ug/l	97
73) Isopropylbenzene	11.23	105	434697	108.51	ug/l	100
74) N-amyl acetate	11.45	43	34997	123.86	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	27210	98.81	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	23484	99.87	ug/l	75
77) Bromobenzene	11.59	156	64187	110.27	ug/l	97
78) n-propylbenzene	11.68	91	521197	107.57	ug/l	99
79) 2-Chlorotoluene	11.81	91	245293	110.32	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	326102	107.44	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	6307m	112.27	ug/l	
82) 4-Chlorotoluene	11.98	91	240974	108.73	ug/l	99
83) tert-Butylbenzene	12.21	119	352949	112.11	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	299112	118.38	ug/l	98
85) sec-Butylbenzene	12.38	105	505765	104.95	ug/l	96
86) p-Isopropyltoluene	12.54	119	404799	117.22	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	125306	95.91	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	120135	105.65	ug/l	96
89) n-Butylbenzene	12.91	91	376525	134.83	ug/l	96
90) Hexachloroethane	12.99	117	82272	108.54	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	102600	103.98	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	4607	98.18	ug/l #	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	56046	146.59	ug/l	95
94) Hexachlorobutadiene	14.25	225	90406	104.42	ug/l	96
95) Naphthalene	14.52	128	45445	175.10	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.67	180	44872	145.82	ug/l	89

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

