

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF083018\
 Data File : VF060189.D
 Acq On : 29 Aug 2018 14:40
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 8/30/2018 3:00:36 PM

Quant Time: Aug 30 04:18:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F083018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 04:14:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	184832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	275890	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	286993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	179494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	15135	4.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	8.70%	
35) Dibromofluoromethane	4.29	113	13015	4.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.98%	
50) Toluene-d8	7.71	98	31539	4.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.76%	
62) 4-Bromofluorobenzene	11.51	95	19114	4.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	17704	4.93	ug/l	94
3) Chloromethane	1.07	50	11573	5.60	ug/l	98
4) Vinyl Chloride	1.12	62	8499	5.59	ug/l	97
5) Bromomethane	1.32	94	8673	6.49	ug/l	99
6) Chloroethane	1.40	64	4187	4.89	ug/l	91
7) Trichlorofluoromethane	1.49	101	22863	5.57	ug/l	96
8) Diethyl Ether	1.70	74	2700	4.53	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.86	101	10329	5.31	ug/l	88
10) Methyl Iodide	1.93	142	8455	5.06	ug/l	92
11) Tert butyl alcohol	2.67	59	4186	23.80	ug/l #	84
12) 1,1-Dichloroethene	1.83	96	6297	4.88	ug/l	98
13) Acrolein	2.09	56	2567	26.20	ug/l	93
14) Allyl chloride	2.18	41	10314	5.05	ug/l	99
15) Acrylonitrile	3.08	53	6331	25.08	ug/l #	78
16) Acetone	2.34	43	22466	27.29	ug/l #	92
17) Carbon Disulfide	1.84	76	20843	4.95	ug/l #	93
18) Methyl Acetate	2.45	43	6937	5.40	ug/l #	92
19) Methyl tert-butyl Ether	2.54	73	20655	4.60	ug/l	99
20) Methylene Chloride	2.28	84	11972	7.07	ug/l #	92
21) trans-1,2-Dichloroethene	2.41	96	6862	4.86	ug/l #	73
22) Diisopropyl ether	2.92	45	22651	4.75	ug/l	97
23) Vinyl Acetate	3.34	43	59156	19.87	ug/l #	95
24) 1,1-Dichloroethane	2.99	63	15164	4.79	ug/l	98
25) 2-Butanone	4.50	43	24123	24.31	ug/l #	90
26) 2,2-Dichloropropane	3.75	77	18433	4.71	ug/l	87
27) cis-1,2-Dichloroethene	3.63	96	8544	4.36	ug/l	94
28) Bromochloromethane	3.89	49	6527	5.47	ug/l #	94
29) Tetrahydrofuran	4.25	42	8643	23.92	ug/l	93
30) Chloroform	4.04	83	22905	4.55	ug/l	88
31) Cyclohexane	3.85	56	11182	4.87	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	21970	4.64	ug/l	92
36) 1,1-Dichloropropene	4.45	75	12826	4.24	ug/l	95
37) Ethyl Acetate	4.28	43	9303	5.09	ug/l #	90
38) Carbon Tetrachloride	4.17	117	19256	4.65	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	12369	4.83	ug/l	91
40) Benzene	4.81	78	27718	4.75	ug/l #	90
41) Methacrylonitrile	4.92	41	3779	4.44	ug/l #	75
42) 1,2-Dichloroethane	5.11	62	17789	4.29	ug/l	91
43) Isopropyl Acetate	7.11	43	11713	5.29	ug/l #	95
44) Trichloroethene	5.67	130	9400	4.51	ug/l	95
45) 1,2-Dichloropropane	6.39	63	7927	4.57	ug/l	96
46) Dibromomethane	6.26	93	7069	4.35	ug/l #	83
47) Bromodichloromethane	6.55	83	17224	4.41	ug/l	97
48) Methyl methacrylate	6.87	41	7165	4.60	ug/l	94
49) 1,4-Dioxane	6.87	88	1261	92.07	ug/l #	78
51) 4-Methyl-2-Pentanone	8.40	43	60854	29.96	ug/l	95
52) Toluene	7.77	92	23147	5.29	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	15749	4.44	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	14823	4.16	ug/l #	92
55) 1,1,2-Trichloroethane	8.64	97	7840	4.39	ug/l #	88
56) Ethyl methacrylate	8.75	69	11756	5.54	ug/l #	89
57) 1,3-Dichloropropane	9.00	76	14256	4.56	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	5147	26.98	ug/l	100
59) 2-Hexanone	9.63	43	52689	32.45	ug/l	100
60) Dibromochloromethane	8.86	129	11837	4.16	ug/l	87
61) 1,2-Dibromoethane	9.13	107	10512	4.90	ug/l	83
64) Tetrachloroethene	8.31	164	11059	5.21	ug/l	96
65) Chlorobenzene	9.94	112	30848	5.20	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	11450	4.65	ug/l	77
67) Ethyl Benzene	10.04	91	53409	5.09	ug/l	99
68) m/p-Xylenes	10.27	106	37705	10.15	ug/l	95
69) o-Xylene	10.83	106	19170	4.96	ug/l	87
70) Styrene	10.90	104	29689	4.86	ug/l	95
71) Bromoform	10.89	173	7803	4.45	ug/l	92
73) Isopropylbenzene	11.22	105	59014	5.03	ug/l	99
74) N-amyl acetate	11.46	43	20509	5.81	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	12942	5.37	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	10676	5.08	ug/l	95
77) Bromobenzene	11.60	156	15708	5.05	ug/l	91
78) n-propylbenzene	11.69	91	74415	5.32	ug/l	96
79) 2-Chlorotoluene	11.82	91	42758	5.08	ug/l	84
80) 1,3,5-Trimethylbenzene	11.91	105	51297	5.09	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	3476m	4.51	ug/l	
82) 4-Chlorotoluene	11.99	91	51311	5.38	ug/l	88
83) tert-Butylbenzene	12.22	119	52401	5.34	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	58605	5.57	ug/l	95
85) sec-Butylbenzene	12.39	105	72584	5.54	ug/l	95
86) p-Isopropyltoluene	12.54	119	60119	5.28	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	33104	5.64	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	30425	5.33	ug/l	95
89) n-Butylbenzene	12.92	91	52463	4.74	ug/l	96
90) Hexachloroethane	13.00	117	13014	5.07	ug/l	73
91) 1,2-Dichlorobenzene	13.02	146	29592	5.27	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	13.72	75	2723	4.47	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	21359	5.16	ug/l	93
94) Hexachlorobutadiene	14.26	225	14933	5.39	ug/l	93
95) Naphthalene	14.53	128	31635	4.75	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	19983	4.88	ug/l	94

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

