

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061404.D
 Acq On : 15 Jan 2019 13:32
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 1/16/2019 4:05:24 PM

Quant Time: Jan 16 03:36:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	197170	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	348723	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	314442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	174979	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	11571	4.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.62%	
35) Dibromofluoromethane	4.10	113	13751	4.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.76%	
50) Toluene-d8	7.54	98	40027	5.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.50%	
62) 4-Bromofluorobenzene	11.40	95	19499	5.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	18895	4.836	ug/l	88
3) Chloromethane	1.08	50	16177	5.461	ug/l	96
4) Vinyl Chloride	1.13	62	13672	5.240	ug/l	100
5) Bromomethane	1.31	94	7374	4.127	ug/l	82
6) Chloroethane	1.37	64	5319	4.512	ug/l #	85
7) Trichlorofluoromethane	1.47	101	26852	5.169	ug/l	94
8) Diethyl Ether	1.62	74	3502	5.376	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.81	101	12869	5.301	ug/l #	82
10) Methyl Iodide	1.89	142	18725m	4.978	ug/l	
11) Tert butyl alcohol	2.56	59	2716	25.964	ug/l #	67
12) 1,1-Dichloroethene	1.78	96	9171	5.085	ug/l	93
13) Acrolein	2.00	56	2585	26.566	ug/l	99
14) Allyl chloride	2.09	41	13811	4.257	ug/l	98
15) Acrylonitrile	2.93	53	7717	28.300	ug/l #	93
16) Acetone	2.23	43	14305	27.544	ug/l #	87
17) Carbon Disulfide	1.79	76	27700m	4.924	ug/l	
18) Methyl Acetate	2.34	43	5561m	4.538	ug/l	
19) Methyl tert-butyl Ether	2.42	73	19622	4.882	ug/l	94
20) Methylene Chloride	2.17	84	13099m	6.413	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	10360	5.171	ug/l	93
22) Diisopropyl ether	2.79	45	31734	5.030	ug/l	92
23) Vinyl Acetate	3.17	43	56508	23.541	ug/l	98
24) 1,1-Dichloroethane	2.87	63	19476	4.848	ug/l	99
25) 2-Butanone	4.33	43	22907	27.692	ug/l #	89
26) 2,2-Dichloropropane	3.59	77	13658	5.277	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	13545	4.680	ug/l	95
28) Bromochloromethane	3.70	49	9647	5.158	ug/l #	66
29) Tetrahydrofuran	4.06	42	9521	26.161	ug/l	95
30) Chloroform	3.84	83	26920	4.965	ug/l	97
31) Cyclohexane	3.68	56	20267	4.943	ug/l #	84
32) 1,1,1-Trichloroethane	4.08	97	19731	4.785	ug/l	89
36) 1,1-Dichloropropene	4.26	75	19801	4.788	ug/l	91
37) Ethyl Acetate	4.10	43	8774	5.225	ug/l #	92
38) Carbon Tetrachloride	3.98	117	18417	4.111	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	22807	4.995	ug/l #	94
40) Benzene	4.61	78	50059	5.338	ug/l	97
41) Methacrylonitrile	4.73	41	4403	4.978	ug/l	95
42) 1,2-Dichloroethane	4.93	62	15873	4.883	ug/l	96
43) Isopropyl Acetate	6.95	43	10294	5.127	ug/l #	97
44) Trichloroethene	5.49	130	15468	5.369	ug/l	99
45) 1,2-Dichloropropane	6.22	63	11299	4.700	ug/l	97
46) Dibromomethane	6.07	93	7508	4.764	ug/l	88
47) Bromodichloromethane	6.38	83	19007	4.929	ug/l	100
48) Methyl methacrylate	6.69	41	6581	4.855	ug/l	91
49) 1,4-Dioxane	6.70	88	1087	107.367	ug/l #	81
51) 4-Methyl-2-Pentanone	8.24	43	40863	25.988	ug/l	98
52) Toluene	7.61	92	32580	5.232	ug/l	95
53) t-1,3-Dichloropropene	8.26	75	15952	5.127	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	18885	4.826	ug/l	92
55) 1,1,2-Trichloroethane	8.48	97	7963	4.705	ug/l #	85
56) Ethyl methacrylate	8.61	69	9806	5.056	ug/l	97
57) 1,3-Dichloropropane	8.85	76	15951	5.081	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.28	63	2903	22.124	ug/l #	83
59) 2-Hexanone	9.49	43	26669	24.367	ug/l	94
60) Dibromochloromethane	8.70	129	10751	4.469	ug/l	98
61) 1,2-Dibromoethane	8.97	107	9341	4.824	ug/l	91
64) Tetrachloroethene	8.13	164	12622	5.270	ug/l #	83
65) Chlorobenzene	9.78	112	35954	5.396	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	13232	5.073	ug/l	87
67) Ethyl Benzene	9.88	91	66946	5.426	ug/l	94
68) m/p-Xylenes	10.12	106	48987	11.005	ug/l	96
69) o-Xylene	10.70	106	24616	5.178	ug/l	94
70) Styrene	10.78	104	33620	5.095	ug/l	97
71) Bromoform	10.76	173	6071	5.401	ug/l	95
73) Isopropylbenzene	11.11	105	80164	5.246	ug/l	98
74) N-amyl acetate	11.36	43	16259	4.632	ug/l #	94
75) 1,1,1,2-Tetrachloroethane	11.69	83	13614	5.122	ug/l	95
76) 1,2,3-Trichloropropane	11.78	75	10188	5.333	ug/l	93
77) Bromobenzene	11.49	156	15865	5.086	ug/l	96
78) n-propylbenzene	11.59	91	101681	5.462	ug/l	98
79) 2-Chlorotoluene	11.71	91	58487	5.528	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	64745	5.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	4101m	4.068	ug/l	
82) 4-Chlorotoluene	11.89	91	56401	5.382	ug/l	98
83) tert-Butylbenzene	12.12	119	66109	5.212	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	67907	5.381	ug/l	94
85) sec-Butylbenzene	12.30	105	91729	5.317	ug/l	97
86) p-Isopropyltoluene	12.46	119	76476	5.325	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	36940	5.761	ug/l	91
88) 1,4-Dichlorobenzene	12.55	146	30485	5.189	ug/l	95
89) n-Butylbenzene	12.84	91	77712	5.235	ug/l	99
90) Hexachloroethane	12.91	117	15953	5.032	ug/l	90
91) 1,2-Dichlorobenzene	12.94	146	31152	5.213	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	1930	4.284	ug/l	53

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	21473	5.149	ug/l	97
94) Hexachlorobutadiene	14.18	225	12752	5.050	ug/l	99
95) Naphthalene	14.45	128	34143	4.599	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	18131	4.840	ug/l	96

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

