

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061263.D
 Acq On : 3 Jan 2019 13:17
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 1/4/2019 2:12:25 PM

Quant Time: Jan 04 02:49:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	224717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	390630	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	348212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	188019	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	14443	5.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.02%	
35) Dibromofluoromethane	4.12	113	15626	5.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.02%	
50) Toluene-d8	7.56	98	48153	5.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.82%	
62) 4-Bromofluorobenzene	11.42	95	21363	5.24	ug/l	0.01
Spiked Amount 50.000			Recovery	=	10.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	23036	4.722	ug/l	98
3) Chloromethane	1.10	50	18266	6.262	ug/l	99
4) Vinyl Chloride	1.15	62	15376	5.699	ug/l	98
5) Bromomethane	1.31	94	12140m	6.511	ug/l	
6) Chloroethane	1.40	64	7073	5.723	ug/l	91
7) Trichlorofluoromethane	1.48	101	25030	4.933	ug/l	85
8) Diethyl Ether	1.62	74	3835	5.563	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	14118	5.323	ug/l	95
10) Methyl Iodide	1.91	142	21327m	5.127	ug/l	
11) Tert butyl alcohol	2.57	59	3497	30.360	ug/l #	70
12) 1,1-Dichloroethene	1.79	96	11817	5.944	ug/l	91
13) Acrolein	2.00	56	3604	41.711	ug/l	98
14) Allyl chloride	2.10	41	13516	5.959	ug/l	98
15) Acrylonitrile	2.95	53	9636	35.425	ug/l	97
16) Acetone	2.24	43	15736	28.652	ug/l	100
17) Carbon Disulfide	1.83	76	34611m	5.680	ug/l	
18) Methyl Acetate	2.35	43	6928	5.799	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	23781	5.474	ug/l	94
20) Methylene Chloride	2.27	84	16352m	7.465	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	12266m	5.673	ug/l	
22) Diisopropyl ether	2.80	45	40435	5.822	ug/l	93
23) Vinyl Acetate	3.19	43	90330	28.497	ug/l	97
24) 1,1-Dichloroethane	2.88	63	23380	5.662	ug/l	98
25) 2-Butanone	4.34	43	31264	33.460	ug/l	98
26) 2,2-Dichloropropane	3.61	77	13186	5.527	ug/l	100
27) cis-1,2-Dichloroethene	3.48	96	17592	5.379	ug/l	94
28) Bromochloromethane	3.72	49	11267	5.497	ug/l #	79
29) Tetrahydrofuran	4.08	42	12383	32.489	ug/l #	66
30) Chloroform	3.86	83	33656	5.508	ug/l	95
31) Cyclohexane	3.70	56	24815m	5.737	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	18667	4.895	ug/l	96
36) 1,1-Dichloropropene	4.29	75	24052	5.091	ug/l	94
37) Ethyl Acetate	4.11	43	10411	5.458	ug/l #	84
38) Carbon Tetrachloride	3.99	117	18543	5.089	ug/l #	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	26275	6.053	ug/l	91
40) Benzene	4.63	78	56240	5.498	ug/l	95
41) Methacrylonitrile	4.75	41	6073	6.212	ug/l #	88
42) 1,2-Dichloroethane	4.96	62	18142	4.826	ug/l	95
43) Isopropyl Acetate	6.97	43	13443	5.902	ug/l #	90
44) Trichloroethene	5.51	130	18319	5.766	ug/l	97
45) 1,2-Dichloropropane	6.24	63	14383	5.199	ug/l	100
46) Dibromomethane	6.09	93	8843	5.004	ug/l	95
47) Bromodichloromethane	6.39	83	23934	5.233	ug/l #	96
48) Methyl methacrylate	6.72	41	7536	4.742	ug/l	94
49) 1,4-Dioxane	6.71	88	1114	98.332	ug/l #	39
51) 4-Methyl-2-Pentanone	8.27	43	47715	30.635	ug/l	99
52) Toluene	7.63	92	36790	5.441	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	19669	5.276	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	25522	5.446	ug/l	95
55) 1,1,2-Trichloroethane	8.50	97	9668	4.813	ug/l	96
56) Ethyl methacrylate	8.63	69	10691	4.928	ug/l	96
57) 1,3-Dichloropropane	8.85	76	19210	5.275	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.31	63	6116	15.465	ug/l #	87
59) 2-Hexanone	9.51	43	32559	29.078	ug/l	97
60) Dibromochloromethane	8.73	129	14214	5.013	ug/l	86
61) 1,2-Dibromoethane	8.99	107	10966	5.132	ug/l	91
64) Tetrachloroethene	8.15	164	14700	5.434	ug/l	93
65) Chlorobenzene	9.80	112	37555	5.161	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	16816	5.653	ug/l	91
67) Ethyl Benzene	9.91	91	74382	5.580	ug/l	99
68) m/p-Xylenes	10.14	106	56766	12.182	ug/l	91
69) o-Xylene	10.72	106	27636	5.300	ug/l	91
70) Styrene	10.80	104	39894	5.535	ug/l	96
71) Bromoform	10.78	173	6668	4.866	ug/l #	80
73) Isopropylbenzene	11.13	105	83027	5.120	ug/l	97
74) N-amyl acetate	11.38	43	22163	6.119	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	14957	5.620	ug/l	91
76) 1,2,3-Trichloropropane	11.80	75	11138	5.619	ug/l	91
77) Bromobenzene	11.50	156	16699	4.812	ug/l	97
78) n-propylbenzene	11.60	91	111813	5.868	ug/l	96
79) 2-Chlorotoluene	11.72	91	60525	5.469	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	71102	5.364	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.87	75	4949m	5.719	ug/l	
82) 4-Chlorotoluene	11.90	91	59517	5.175	ug/l	99
83) tert-Butylbenzene	12.14	119	74304	5.452	ug/l	92
84) 1,2,4-Trimethylbenzene	12.21	105	71665	5.421	ug/l	96
85) sec-Butylbenzene	12.31	105	104444	5.827	ug/l	98
86) p-Isopropyltoluene	12.46	119	82326	5.523	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	38022	5.783	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	34098	5.291	ug/l	99
89) n-Butylbenzene	12.85	91	86572	5.624	ug/l	95
90) Hexachloroethane	12.92	117	18584	5.051	ug/l	90
91) 1,2-Dichlorobenzene	12.95	146	34774	5.618	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	2736	5.660	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	24170	5.479	ug/l	96
94) Hexachlorobutadiene	14.20	225	15183	5.406	ug/l	89
95) Naphthalene	14.46	128	41503	5.207	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	21309	5.280	ug/l	91

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

