

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062075.D
 Acq On : 22 Mar 2019 10:35
 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

MMDadoda
 3/27/2019 11:57:08 AM

Quant Time: Mar 23 01:15:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 00:41:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	306733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	460643	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	385983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	206052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	10331	4.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.06%	
35) Dibromofluoromethane	4.15	113	13868	4.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	8.90%	
50) Toluene-d8	7.58	98	40258	4.33	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	8.66%	
62) 4-Bromofluorobenzene	11.44	95	16275	4.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	18084	4.602	ug/l	88
3) Chloromethane	1.11	50	20535	4.994	ug/l	99
4) Vinyl Chloride	1.14	62	18258	4.801	ug/l	91
5) Bromomethane	1.34	94	14701	5.377	ug/l #	80
6) Chloroethane	1.41	64	10003	5.225	ug/l	100
7) Trichlorofluoromethane	1.50	101	22025m	4.993	ug/l	
8) Diethyl Ether	1.64	74	5352	5.101	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.86	101	15724	5.018	ug/l #	85
10) Methyl Iodide	1.92	142	29087m	4.978	ug/l	
11) Tert butyl alcohol	2.59	59	3312	26.384	ug/l #	47
12) 1,1-Dichloroethene	1.81	96	14922	5.047	ug/l	93
13) Acrolein	2.02	56	2941m	19.438	ug/l	
14) Allyl chloride	2.12	41	15403	4.879	ug/l	93
15) Acrylonitrile	2.96	53	10576	23.958	ug/l	88
16) Acetone	2.25	43	11104	23.125	ug/l	91
17) Carbon Disulfide	1.84	76	42865m	4.850	ug/l	
18) Methyl Acetate	2.36	43	6327m	5.562	ug/l	
19) Methyl tert-butyl Ether	2.45	73	21899	4.686	ug/l #	86
20) Methylene Chloride	2.27	84	20613m	6.426	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	14501	5.277	ug/l	90
22) Diisopropyl ether	2.84	45	37802	4.567	ug/l	94
23) Vinyl Acetate	3.22	43	76901	22.694	ug/l	98
24) 1,1-Dichloroethane	2.90	63	25216	5.081	ug/l	99
25) 2-Butanone	4.38	43	25147	25.086	ug/l #	80
26) 2,2-Dichloropropane	3.63	77	9735	4.838	ug/l	88
27) cis-1,2-Dichloroethene	3.51	96	17443	4.627	ug/l	93
28) Bromochloromethane	3.75	49	9323	4.598	ug/l	96
29) Tetrahydrofuran	4.11	42	11206	25.711	ug/l	93
30) Chloroform	3.90	83	25546	4.870	ug/l	96
31) Cyclohexane	3.72	56	25048m	5.143	ug/l	
32) 1,1,1-Trichloroethane	4.14	97	17636	5.527	ug/l #	83
36) 1,1-Dichloropropene	4.31	75	21353	4.867	ug/l #	93
37) Ethyl Acetate	4.15	43	11633	6.067	ug/l	93
38) Carbon Tetrachloride	4.03	117	13978	4.674	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	25525	5.012	ug/l	92
40) Benzene	4.67	78	57744	4.909	ug/l	98
41) Methacrylonitrile	4.78	41	4886	4.816	ug/l #	83
42) 1,2-Dichloroethane	4.98	62	13349	4.799	ug/l	93
43) Isopropyl Acetate	6.99	43	12004	5.169	ug/l #	91
44) Trichloroethene	5.54	130	18454	5.132	ug/l	87
45) 1,2-Dichloropropane	6.27	63	13588	4.843	ug/l	97
46) Dibromomethane	6.12	93	8837	5.152	ug/l	86
47) Bromodichloromethane	6.42	83	17958	4.726	ug/l	94
48) Methyl methacrylate	6.75	41	6447	4.876	ug/l #	70
49) 1,4-Dioxane	6.74	88	1135	97.829	ug/l #	82
51) 4-Methyl-2-Pentanone	8.29	43	40329	25.947	ug/l	93
52) Toluene	7.65	92	33371	4.898	ug/l	97
53) t-1,3-Dichloropropene	8.31	75	14578	4.888	ug/l	99
54) cis-1,3-Dichloropropene	7.33	75	19603	4.593	ug/l	98
55) 1,1,2-Trichloroethane	8.53	97	9263	4.787	ug/l #	89
56) Ethyl methacrylate	8.65	69	11452	4.962	ug/l	94
57) 1,3-Dichloropropane	8.88	76	14679	4.570	ug/l #	87
58) 2-Chloroethyl Vinyl ether	7.33	63	8110	23.158	ug/l	92
59) 2-Hexanone	9.52	43	27714	24.329	ug/l	99
60) Dibromochloromethane	8.74	129	12561	4.669	ug/l	92
61) 1,2-Dibromoethane	9.02	107	9214	4.463	ug/l	83
64) Tetrachloroethene	8.19	164	15214	5.102	ug/l	91
65) Chlorobenzene	9.83	112	36844	5.102	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.96	131	14402	4.965	ug/l	91
67) Ethyl Benzene	9.93	91	64294	5.119	ug/l	100
68) m/p-Xylenes	10.16	106	47306	10.077	ug/l	96
69) o-Xylene	10.73	106	23363	4.752	ug/l	85
70) Styrene	10.81	104	38414	5.157	ug/l	99
71) Bromoform	10.79	173	7429	5.007	ug/l #	95
73) Isopropylbenzene	11.15	105	72637	5.010	ug/l	100
74) N-amyl acetate	11.40	43	15913	4.606	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.71	83	12966	5.208	ug/l	96
76) 1,2,3-Trichloropropane	11.81	75	9313	5.316	ug/l	79
77) Bromobenzene	11.51	156	17980	5.076	ug/l	87
78) n-propylbenzene	11.61	91	86556	5.141	ug/l	96
79) 2-Chlorotoluene	11.74	91	48766	5.211	ug/l	98
80) 1,3,5-Trimethylbenzene	11.85	105	60177	5.046	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	3230m	3.418	ug/l	
82) 4-Chlorotoluene	11.92	91	49653	5.175	ug/l	95
83) tert-Butylbenzene	12.15	119	64356	5.155	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	60037	5.135	ug/l	98
85) sec-Butylbenzene	12.32	105	82317	5.097	ug/l	95
86) p-Isopropyltoluene	12.48	119	76662	5.479	ug/l	95
87) 1,3-Dichlorobenzene	12.49	146	35762	5.434	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	32772	5.103	ug/l	97
89) n-Butylbenzene	12.86	91	65694	4.921	ug/l	97
90) Hexachloroethane	12.93	117	15982	4.797	ug/l	96
91) 1,2-Dichlorobenzene	12.96	146	30860	4.994	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.66	75	1684	4.464	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	22673	5.264	ug/l	85
94) Hexachlorobutadiene	14.21	225	14854	5.187	ug/l	96
95) Naphthalene	14.47	128	33359	4.420	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	19553	4.850	ug/l	92

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

