

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061264.D
 Acq On : 3 Jan 2019 14:49
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 1/4/2019 2:12:28 PM

Quant Time: Jan 04 02:51:37 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	4.88	168	207439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	370302	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	340175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	175901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	28248	10.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.22%	
35) Dibromofluoromethane	4.12	113	30445	10.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.58%	
50) Toluene-d8	7.56	98	91010	10.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.58%	
62) 4-Bromofluorobenzene	11.41	95	40054	10.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	40077	8.899	ug/l	99
3) Chloromethane	1.10	50	32776	12.172	ug/l	98
4) Vinyl Chloride	1.14	62	26578	10.671	ug/l	96
5) Bromomethane	1.32	94	17808	10.346	ug/l	91
6) Chloroethane	1.38	64	13654	11.968	ug/l	89
7) Trichlorofluoromethane	1.49	101	51812	11.063	ug/l	97
8) Diethyl Ether	1.64	74	7809	12.272	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	26987	11.023	ug/l	91
10) Methyl Iodide	1.91	142	41077m	10.697	ug/l	
11) Tert butyl alcohol	2.58	59	5976	56.203	ug/l	96
12) 1,1-Dichloroethene	1.79	96	22617	12.325	ug/l	99
13) Acrolein	2.00	56	7050	88.390	ug/l	84
14) Allyl chloride	2.10	41	30819	14.719	ug/l	91
15) Acrylonitrile	2.94	53	16948	67.495	ug/l	95
16) Acetone	2.24	43	35350	69.725	ug/l	92
17) Carbon Disulfide	1.83	76	66533	11.828	ug/l #	92
18) Methyl Acetate	2.35	43	17566m	15.928	ug/l	
19) Methyl tert-butyl Ether	2.44	73	46561	11.610	ug/l #	89
20) Methylene Chloride	2.23	84	37897m	18.741	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	22118	11.082	ug/l	92
22) Diisopropyl ether	2.80	45	70648	11.019	ug/l #	99
23) Vinyl Acetate	3.20	43	183366	62.666	ug/l	98
24) 1,1-Dichloroethane	2.88	63	42426	11.130	ug/l	99
25) 2-Butanone	4.34	43	61183	70.935	ug/l #	88
26) 2,2-Dichloropropane	3.60	77	25138	11.415	ug/l	89
27) cis-1,2-Dichloroethene	3.48	96	32311	10.703	ug/l	99
28) Bromochloromethane	3.73	49	20271	10.714	ug/l	99
29) Tetrahydrofuran	4.09	42	23559	66.960	ug/l	98
30) Chloroform	3.87	83	59714	10.586	ug/l	94
31) Cyclohexane	3.70	56	46646	11.682	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	43529	12.365	ug/l	98
36) 1,1-Dichloropropene	4.29	75	43783	9.776	ug/l	97
37) Ethyl Acetate	4.11	43	19580	10.828	ug/l #	72
38) Carbon Tetrachloride	4.01	117	36682	10.619	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	47987	11.662	ug/l	93
40) Benzene	4.64	78	109654	11.308	ug/l	99
41) Methacrylonitrile	4.76	41	11848	12.785	ug/l	90
42) 1,2-Dichloroethane	4.95	62	34411	9.656	ug/l	92
43) Isopropyl Acetate	6.97	43	25401	11.765	ug/l #	93
44) Trichloroethene	5.52	130	32393	10.755	ug/l	96
45) 1,2-Dichloropropane	6.25	63	25640	9.777	ug/l	95
46) Dibromomethane	6.10	93	16930	10.107	ug/l	93
47) Bromodichloromethane	6.39	83	43615	10.059	ug/l	98
48) Methyl methacrylate	6.73	41	15723	10.437	ug/l	91
49) 1,4-Dioxane	6.71	88	2117	197.125	ug/l #	85
51) 4-Methyl-2-Pentanone	8.27	43	99797	67.590	ug/l	99
52) Toluene	7.64	92	69818	10.893	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	36596	10.356	ug/l	91
54) cis-1,3-Dichloropropene	7.31	75	45236	10.182	ug/l	100
55) 1,1,2-Trichloroethane	8.49	97	19245	10.106	ug/l	94
56) Ethyl methacrylate	8.62	69	21673	10.538	ug/l	91
57) 1,3-Dichloropropane	8.86	76	38192	11.062	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	12226	32.611	ug/l #	86
59) 2-Hexanone	9.50	43	71035	66.924	ug/l	96
60) Dibromochloromethane	8.72	129	27815	10.348	ug/l	93
61) 1,2-Dibromoethane	9.00	107	20414	10.079	ug/l	91
64) Tetrachloroethene	8.16	164	26263	9.937	ug/l	95
65) Chlorobenzene	9.81	112	72754	10.235	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	29252	10.066	ug/l	96
67) Ethyl Benzene	9.91	91	134766	10.349	ug/l	99
68) m/p-Xylenes	10.14	106	101663	22.333	ug/l	98
69) o-Xylene	10.71	106	52545	10.315	ug/l	82
70) Styrene	10.79	104	76552	10.872	ug/l	96
71) Bromoform	10.77	173	13618	10.173	ug/l #	91
73) Isopropylbenzene	11.13	105	160824	10.601	ug/l	96
74) N-amyl acetate	11.37	43	41295	12.186	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	30454	12.231	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	21698	11.701	ug/l	78
77) Bromobenzene	11.50	156	33355	10.275	ug/l	92
78) n-propylbenzene	11.60	91	189529	10.631	ug/l	98
79) 2-Chlorotoluene	11.72	91	113826	10.994	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	130353	10.512	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	10066m	12.433	ug/l	
82) 4-Chlorotoluene	11.91	91	113365	10.537	ug/l	99
83) tert-Butylbenzene	12.13	119	136912	10.738	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	133288	10.777	ug/l	91
85) sec-Butylbenzene	12.31	105	176555	10.529	ug/l	99
86) p-Isopropyltoluene	12.46	119	151709	10.879	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	65387	10.629	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	62764	10.410	ug/l	98
89) n-Butylbenzene	12.84	91	163137	11.328	ug/l	93
90) Hexachloroethane	12.92	117	34920	10.146	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	66030	11.402	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	4763	10.533	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	44556	10.796	ug/l	95
94) Hexachlorobutadiene	14.20	225	26358	10.032	ug/l	93
95) Naphthalene	14.46	128	77430	10.384	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	38242	10.129	ug/l	98

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

