

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061405.D
 Acq On : 15 Jan 2019 14:30
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 1/16/2019 4:05:27 PM

Quant Time: Jan 16 04:43:31 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	4.86	168	163375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	275380	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	269961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	152440	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	20136	10.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.20%	
35) Dibromofluoromethane	4.10	113	23408	10.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.04%	
50) Toluene-d8	7.54	98	59793	9.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.88%	
62) 4-Bromofluorobenzene	11.40	95	30806	10.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	35782	11.051	ug/l	91
3) Chloromethane	1.08	50	27731	11.298	ug/l	94
4) Vinyl Chloride	1.12	62	24386	11.279	ug/l	97
5) Bromomethane	1.29	94	17529	11.841	ug/l	96
6) Chloroethane	1.37	64	11788	12.069	ug/l	94
7) Trichlorofluoromethane	1.47	101	49810	11.571	ug/l	87
8) Diethyl Ether	1.63	74	5831	10.803	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.81	101	22838	11.354	ug/l	98
10) Methyl Iodide	1.84	142	36551	11.728	ug/l	100
11) Tert butyl alcohol	2.55	59	4338	50.047	ug/l #	80
12) 1,1-Dichloroethene	1.75	96	17184	11.500	ug/l	87
13) Acrolein	1.99	56	4238	52.564	ug/l	84
14) Allyl chloride	2.09	41	30430	11.321	ug/l	94
15) Acrylonitrile	2.93	53	11506	50.923	ug/l	92
16) Acetone	2.23	43	22314	51.853	ug/l	95
17) Carbon Disulfide	1.76	76	55630	11.935	ug/l	95
18) Methyl Acetate	2.35	43	9417	9.275	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	38269	11.491	ug/l	96
20) Methylene Chloride	2.18	84	17995	10.632	ug/l	87
21) trans-1,2-Dichloroethene	2.31	96	18656	11.238	ug/l	99
22) Diisopropyl ether	2.79	45	54939	10.509	ug/l	91
23) Vinyl Acetate	3.17	43	77223	38.825	ug/l	99
24) 1,1-Dichloroethane	2.87	63	36753	11.040	ug/l	96
25) 2-Butanone	4.32	43	29787	43.458	ug/l	97
26) 2,2-Dichloropropane	3.59	77	24030m	11.205	ug/l	
27) cis-1,2-Dichloroethene	3.47	96	26512	11.055	ug/l	87
28) Bromochloromethane	3.70	49	17335	11.186	ug/l #	67
29) Tetrahydrofuran	4.07	42	14961	49.612	ug/l	98
30) Chloroform	3.85	83	46422	10.333	ug/l	93
31) Cyclohexane	3.70	56	38640	11.374	ug/l	95
32) 1,1,1-Trichloroethane	4.09	97	39708m	11.623	ug/l	
36) 1,1-Dichloropropene	4.28	75	34283	10.498	ug/l #	92
37) Ethyl Acetate	4.11	43	12733	9.603	ug/l	85
38) Carbon Tetrachloride	3.98	117	35223	9.956	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	41267	11.446	ug/l	98
40) Benzene	4.62	78	80369	10.852	ug/l	97
41) Methacrylonitrile	4.74	41	7705	11.032	ug/l #	86
42) 1,2-Dichloroethane	4.93	62	25080	9.771	ug/l	97
43) Isopropyl Acetate	6.95	43	14819	9.347	ug/l #	82
44) Trichloroethene	5.50	130	22978	10.100	ug/l	72
45) 1,2-Dichloropropane	6.23	63	19487	10.265	ug/l	99
46) Dibromomethane	6.07	93	12847	10.322	ug/l	90
47) Bromodichloromethane	6.38	83	29957	9.837	ug/l #	96
48) Methyl methacrylate	6.72	41	10835	10.123	ug/l	98
49) 1,4-Dioxane	6.69	88	1122	140.340	ug/l #	85
51) 4-Methyl-2-Pentanone	8.24	43	64152	51.666	ug/l	98
52) Toluene	7.61	92	51470	10.466	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	22678	9.231	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	28479	9.216	ug/l #	95
55) 1,1,2-Trichloroethane	8.48	97	12948	9.688	ug/l	95
56) Ethyl methacrylate	8.61	69	14968	9.772	ug/l	97
57) 1,3-Dichloropropane	8.85	76	22743	9.173	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.29	63	3404	32.851	ug/l #	84
59) 2-Hexanone	9.49	43	45174	52.268	ug/l	90
60) Dibromochloromethane	8.71	129	18152	9.556	ug/l	97
61) 1,2-Dibromoethane	8.97	107	15451	10.104	ug/l	94
64) Tetrachloroethene	8.15	164	19053	9.265	ug/l	91
65) Chlorobenzene	9.79	112	53828	9.409	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	21845	9.754	ug/l	98
67) Ethyl Benzene	9.89	91	105435	9.953	ug/l	97
68) m/p-Xylenes	10.12	106	77439	20.264	ug/l	96
69) o-Xylene	10.70	106	42288	10.360	ug/l	99
70) Styrene	10.78	104	59479	10.498	ug/l	97
71) Bromoform	10.76	173	9678	10.028	ug/l	85
73) Isopropylbenzene	11.11	105	130080	9.770	ug/l	99
74) N-amyl acetate	11.36	43	29960	9.798	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	22953	9.912	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	16151	9.704	ug/l	90
77) Bromobenzene	11.49	156	26614	9.793	ug/l	90
78) n-propylbenzene	11.59	91	165233	10.187	ug/l	97
79) 2-Chlorotoluene	11.72	91	92498	10.035	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	103627	9.751	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	6096m	6.942	ug/l	
82) 4-Chlorotoluene	11.89	91	90388	9.900	ug/l	97
83) tert-Butylbenzene	12.12	119	105113	9.512	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	111327	10.126	ug/l	98
85) sec-Butylbenzene	12.30	105	145465	9.679	ug/l	93
86) p-Isopropyltoluene	12.46	119	127487	10.189	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	55865	10.000	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	50158	9.801	ug/l	94
89) n-Butylbenzene	12.84	91	129263	9.996	ug/l	96
90) Hexachloroethane	12.91	117	25560	9.254	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	51758	9.942	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	3903	9.944	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	35116	9.665	ug/l	96
94) Hexachlorobutadiene	14.18	225	20948	9.522	ug/l	95
95) Naphthalene	14.45	128	60479	9.352	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	30775	9.430	ug/l	91

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

