

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010919\
 Data File : VF061336.D
 Acq On : 10 Jan 2019 10:05
 Operator : VA/AP
 Sample : VF0110SBSD03
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0110SBSD03

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 3:33:33 PM

Quant Time: Jan 10 12:03:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	204814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	346106	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	335216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	173143	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	113979	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
35) Dibromofluoromethane	4.12	113	124558	47.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.06%	
50) Toluene-d8	7.56	98	387709	49.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.42	95	178092	52.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	73755	19.522	ug/l	91
3) Chloromethane	1.09	50	57174	16.983	ug/l	90
4) Vinyl Chloride	1.14	62	39098	13.003	ug/l	98
5) Bromomethane	1.31	94	25904	12.379	ug/l	93
6) Chloroethane	1.39	64	15844	10.790	ug/l	95
7) Trichlorofluoromethane	1.49	101	78752	15.450	ug/l	92
8) Diethyl Ether	1.63	74	8636	11.537	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.84	101	31403	11.667	ug/l #	86
10) Methyl Iodide	1.91	142	49048m	11.632	ug/l	
11) Tert butyl alcohol	2.58	59	6717	73.591	ug/l #	86
12) 1,1-Dichloroethene	1.79	96	21775m	10.117	ug/l	
13) Acrolein	2.01	56	3897	19.744	ug/l	88
14) Allyl chloride	2.10	41	37095	9.429	ug/l #	81
15) Acrylonitrile	2.95	53	15295	47.270	ug/l	92
16) Acetone	2.24	43	47623	89.801	ug/l #	85
17) Carbon Disulfide	1.80	76	63898	8.988	ug/l	99
18) Methyl Acetate	2.35	43	12528m	12.007	ug/l	
19) Methyl tert-butyl Ether	2.43	73	54432	13.272	ug/l	100
20) Methylene Chloride	2.19	84	20887m	9.310	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	22608	9.913	ug/l #	79
22) Diisopropyl ether	2.81	45	83024	10.908	ug/l #	94
23) Vinyl Acetate	3.19	43	198114	89.008	ug/l	96
24) 1,1-Dichloroethane	2.88	63	53582	12.170	ug/l	96
25) 2-Butanone	4.35	43	94219	110.387	ug/l	97
26) 2,2-Dichloropropane	3.61	77	46446	15.787	ug/l	89
27) cis-1,2-Dichloroethene	3.49	96	57121	17.939	ug/l	90
28) Bromochloromethane	3.73	49	36401	18.752	ug/l #	84
29) Tetrahydrofuran	4.08	42	34718	97.285	ug/l	97
30) Chloroform	3.87	83	100497	17.982	ug/l	99
31) Cyclohexane	3.69	56	84430	18.280	ug/l	86
32) 1,1,1-Trichloroethane	4.10	97	75072	16.630	ug/l	96
36) 1,1-Dichloropropene	4.30	75	79076	19.565	ug/l	98
37) Ethyl Acetate	4.12	43	30228	20.538	ug/l #	65
38) Carbon Tetrachloride	4.00	117	64099	16.745	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	91030	18.000	ug/l	94
40) Benzene	4.64	78	185206	19.628	ug/l	97
41) Methacrylonitrile	4.75	41	19979	24.308	ug/l #	88
42) 1,2-Dichloroethane	4.95	62	58693	19.979	ug/l	99
43) Isopropyl Acetate	6.96	43	42509	21.876	ug/l #	100
44) Trichloroethene	5.51	130	58762	21.279	ug/l	94
45) 1,2-Dichloropropane	6.24	63	50193	20.918	ug/l	92
46) Dibromomethane	6.09	93	30784	20.895	ug/l	95
47) Bromodichloromethane	6.40	83	70886	19.346	ug/l	98
48) Methyl methacrylate	6.72	41	26147	20.730	ug/l	94
49) 1,4-Dioxane	6.71	88	4014	504.361	ug/l #	74
51) 4-Methyl-2-Pentanone	8.26	43	158396	107.995	ug/l	99
52) Toluene	7.63	92	121219	19.987	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	53580	18.620	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	78491	20.573	ug/l	91
55) 1,1,2-Trichloroethane	8.50	97	33791	19.910	ug/l	91
56) Ethyl methacrylate	8.63	69	39448	20.797	ug/l	96
57) 1,3-Dichloropropane	8.86	76	65096	21.673	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.30	63	8528	105.502	ug/l	98
59) 2-Hexanone	9.49	43	130596	125.684	ug/l	93
60) Dibromochloromethane	8.73	129	43642	19.311	ug/l	99
61) 1,2-Dibromoethane	8.99	107	36506	21.102	ug/l	96
64) Tetrachloroethene	8.16	164	50695	20.771	ug/l	95
65) Chlorobenzene	9.80	112	139341	20.585	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	51246	18.553	ug/l	96
67) Ethyl Benzene	9.91	91	260965	19.995	ug/l	96
68) m/p-Xylenes	10.14	106	202467	44.472	ug/l	97
69) o-Xylene	10.72	106	100882	19.837	ug/l	89
70) Styrene	10.80	104	138309	20.415	ug/l	98
71) Bromoform	10.78	173	21605	19.139	ug/l #	99
73) Isopropylbenzene	11.13	105	308583	20.254	ug/l	97
74) N-amyl acetate	11.38	43	78444	22.650	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	48000	19.870	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	36015	20.327	ug/l	92
77) Bromobenzene	11.50	156	63312	20.888	ug/l	91
78) n-propylbenzene	11.60	91	359448	19.787	ug/l	95
79) 2-Chlorotoluene	11.72	91	202603	20.018	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	255499	21.075	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	13297m	17.174	ug/l	
82) 4-Chlorotoluene	11.90	91	202851	19.725	ug/l	94
83) tert-Butylbenzene	12.14	119	255975	21.193	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	287463	23.883	ug/l	98
85) sec-Butylbenzene	12.32	105	344000	20.003	ug/l	99
86) p-Isopropyltoluene	12.46	119	282224	20.176	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	121026	20.446	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	118546	20.832	ug/l	97
89) n-Butylbenzene	12.85	91	291859	20.307	ug/l	95
90) Hexachloroethane	12.93	117	56208	17.566	ug/l	85
91) 1,2-Dichlorobenzene	12.95	146	117150	20.735	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	7357	18.025	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	80989	20.831	µg/l	93
94) Hexachlorobutadiene	14.20	225	46790	18.694	µg/l	98
95) Naphthalene	14.47	128	148040	20.205	µg/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	70007	19.115	µg/l	95

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

