

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022519\
 Data File : VF061726.D
 Acq On : 25 Feb 2019 13:14
 Operator : VA/AP
 Sample : VF0225SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0225SBSD01

Quant Time: Feb 26 04:41:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	323404	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	494085	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	436938	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	242942	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	127436	53.73	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	107.46%	
35) Dibromofluoromethane	4.12	113	187330	51.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.12%	
50) Toluene-d8	7.56	98	550598	52.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	11.41	95	216250	50.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	89580	24.120	ug/l	96
3) Chloromethane	1.10	50	84902	21.788	ug/l	96
4) Vinyl Chloride	1.14	62	77937	21.515	ug/l	98
5) Bromomethane	1.34	94	54667	21.927	ug/l	95
6) Chloroethane	1.39	64	40272	22.559	ug/l	99
7) Trichlorofluoromethane	1.49	101	100352	22.968	ug/l	91
8) Diethyl Ether	1.63	74	20363	18.494	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	71315	22.625	ug/l	92
10) Methyl Iodide	1.91	142	132821m	22.060	ug/l	
11) Tert butyl alcohol	2.57	59	13376	97.456	ug/l	93
12) 1,1-Dichloroethene	1.79	96	58695	21.180	ug/l	91
13) Acrolein	2.00	56	13638	79.061	ug/l	99
14) Allyl chloride	2.10	41	72646	21.363	ug/l	98
15) Acrylonitrile	2.94	53	47390	97.343	ug/l	93
16) Acetone	2.24	43	56304	110.653	ug/l	96
17) Carbon Disulfide	1.82	76	182018	20.895	ug/l	97
18) Methyl Acetate	2.35	43	24660	21.513	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	103291	21.809	ug/l	96
20) Methylene Chloride	2.18	84	67317m	23.345	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	60891	20.212	ug/l	97
22) Diisopropyl ether	2.81	45	174020	21.318	ug/l	97
23) Vinyl Acetate	3.19	43	384728	96.495	ug/l	98
24) 1,1-Dichloroethane	2.88	63	110351	22.339	ug/l	97
25) 2-Butanone	4.33	43	116306	104.643	ug/l	97
26) 2,2-Dichloropropane	3.59	77	51101	24.422	ug/l	93
27) cis-1,2-Dichloroethene	3.48	96	82781	20.935	ug/l	94
28) Bromochloromethane	3.71	49	46954	19.810	ug/l	90
29) Tetrahydrofuran	4.07	42	48553	96.114	ug/l	98
30) Chloroform	3.86	83	127422	22.682	ug/l	96
31) Cyclohexane	3.69	56	113697m	21.261	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	79626	21.637	ug/l	93
36) 1,1-Dichloropropene	4.28	75	102785	21.000	ug/l	89
37) Ethyl Acetate	4.12	43	44957	19.775	ug/l #	95
38) Carbon Tetrachloride	3.99	117	81296	24.054	ug/l	99

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39) Methylcyclohexane	5.45	83	120545	20.825	ug/l	97
40) Benzene	4.63	78	267455	20.891	ug/l	98
41) Methacrylonitrile	4.74	41	23017	19.798	ug/l #	88
42) 1,2-Dichloroethane	4.95	62	67103	21.912	ug/l	95
43) Isopropyl Acetate	6.96	43	55759	20.721	ug/l #	99
44) Trichloroethene	5.50	130	89435	21.603	ug/l	95
45) 1,2-Dichloropropane	6.24	63	65051	21.021	ug/l	100
46) Dibromomethane	6.09	93	40633	21.326	ug/l	94
47) Bromodichloromethane	6.39	83	94289	22.598	ug/l	98
48) Methyl methacrylate	6.72	41	32465	20.048	ug/l	95
49) 1,4-Dioxane	6.71	88	5082	333.833	ug/l #	92
51) 4-Methyl-2-Pentanone	8.26	43	187207	97.362	ug/l	99
52) Toluene	7.63	92	160446	20.664	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	79174	22.800	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	109813	23.741	ug/l	95
55) 1,1,2-Trichloroethane	8.50	97	45417	19.909	ug/l	95
56) Ethyl methacrylate	8.62	69	52641	20.726	ug/l	99
57) 1,3-Dichloropropane	8.86	76	77215	20.278	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.29	63	38907	88.784	ug/l	93
59) 2-Hexanone	9.49	43	142765	105.923	ug/l	99
60) Dibromochloromethane	8.71	129	68264	21.499	ug/l	90
61) 1,2-Dibromoethane	8.99	107	50096	20.246	ug/l	98
64) Tetrachloroethene	8.15	164	76597	21.447	ug/l	98
65) Chlorobenzene	9.80	112	188309	21.238	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	72926	20.990	ug/l	95
67) Ethyl Benzene	9.90	91	314564	21.334	ug/l	98
68) m/p-Xylenes	10.13	106	251158	44.507	ug/l	99
69) o-Xylene	10.71	106	128075	21.270	ug/l	90
70) Styrene	10.79	104	185903	21.824	ug/l	98
71) Bromoform	10.77	173	37575	19.917	ug/l	96
73) Isopropylbenzene	11.13	105	378029	21.855	ug/l	99
74) N-amyl acetate	11.38	43	89717	21.610	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	62695	20.232	ug/l	92
76) 1,2,3-Trichloropropane	11.80	75	42597	20.218	ug/l	99
77) Bromobenzene	11.49	156	100352	23.484	ug/l	93
78) n-propylbenzene	11.59	91	437371	22.035	ug/l	97
79) 2-Chlorotoluene	11.72	91	244241	21.971	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	309709	22.403	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.87	75	20386m	20.183	ug/l	
82) 4-Chlorotoluene	11.90	91	249466	21.621	ug/l	93
83) tert-Butylbenzene	12.13	119	332903	21.741	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	305296	22.229	ug/l	96
85) sec-Butylbenzene	12.30	105	436813	22.060	ug/l	95
86) p-Isopropyltoluene	12.46	119	360695	21.705	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	178003	21.368	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	169686	21.180	ug/l	96
89) n-Butylbenzene	12.84	91	344745	21.970	ug/l	97
90) Hexachloroethane	12.91	117	83754	21.671	ug/l	80
91) 1,2-Dichlorobenzene	12.94	146	172546	21.776	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8967	18.251	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	122023	21.485	ug/l	98
94) Hexachlorobutadiene	14.20	225	75868	21.629	ug/l	100
95) Naphthalene	14.46	128	201149	20.242	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	107765	20.673	ug/l	99

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

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