

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062374.D
 Acq On : 8 May 2019 13:48
 Operator : FY/SY
 Sample : VF0508SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBSD01

Quant Time: May 08 16:12:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	353390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	461512	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	400650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	245440	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	163217	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
35) Dibromofluoromethane	4.30	113	191794	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
50) Toluene-d8	7.70	98	458134	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.48	95	207084	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	85389	20.878	ug/l	99
3) Chloromethane	1.15	50	54965	20.377	ug/l	98
4) Vinyl Chloride	1.19	62	53380	19.840	ug/l	96
5) Bromomethane	1.40	94	42241	19.264	ug/l	94
6) Chloroethane	1.43	64	26726	19.758	ug/l	100
7) Trichlorofluoromethane	1.55	101	112671	20.183	ug/l #	83
8) Diethyl Ether	1.70	74	16528	19.567	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.90	101	62070	19.476	ug/l	95
10) Methyl Iodide	1.97	142	109918	20.928	ug/l	98
11) Tert butyl alcohol	2.69	59	17684	93.690	ug/l	99
12) 1,1-Dichloroethene	1.86	96	52679	19.443	ug/l	90
13) Acrolein	2.10	56	14436	112.086	ug/l	100
14) Allyl chloride	2.20	41	83708	34.975	ug/l	98
15) Acrylonitrile	3.08	53	36709	102.671	ug/l	93
16) Acetone	2.34	43	62442	92.425	ug/l	97
17) Carbon Disulfide	1.91	76	117704	19.924	ug/l	99
18) Methyl Acetate	2.45	43	25215	18.492	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	108928	19.476	ug/l	99
20) Methylene Chloride	2.32	84	56311m	23.038	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	49946	19.348	ug/l	93
22) Diisopropyl ether	2.93	45	152504	20.388	ug/l	98
23) Vinyl Acetate	3.34	43	340344	102.086	ug/l	100
24) 1,1-Dichloroethane	3.00	63	94866	20.984	ug/l	99
25) 2-Butanone	4.51	43	86107	101.450	ug/l	96
26) 2,2-Dichloropropane	3.76	77	58026	22.983	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	65434	20.278	ug/l	98
28) Bromochloromethane	3.89	49	38386	18.722	ug/l #	97
29) Tetrahydrofuran	4.27	42	37371	95.801	ug/l	98
30) Chloroform	4.04	83	130052	21.293	ug/l	100
31) Cyclohexane	3.86	56	77880	21.582	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	117436	22.434	ug/l	97
36) 1,1-Dichloropropene	4.46	75	86146	21.729	ug/l	98
37) Ethyl Acetate	4.30	43	34745	19.267	ug/l #	97
38) Carbon Tetrachloride	4.17	117	95130m	21.552	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	87352	21.969	ug/l	92
40) Benzene	4.82	78	194919	22.327	ug/l	93
41) Methacrylonitrile	4.93	41	19821	20.851	ug/l	97
42) 1,2-Dichloroethane	5.11	62	78249	21.431	ug/l	98
43) Isopropyl Acetate	7.10	43	37954	21.047	ug/l #	99
44) Trichloroethene	5.67	130	72570	22.629	ug/l	100
45) 1,2-Dichloropropane	6.39	63	43026	21.759	ug/l	100
46) Dibromomethane	6.25	93	36915	22.516	ug/l	94
47) Bromodichloromethane	6.54	83	86590	21.124	ug/l	92
48) Methyl methacrylate	6.87	41	27331	21.447	ug/l	97
49) 1,4-Dioxane	6.86	88	5530	414.274	ug/l	97
51) 4-Methyl-2-Pentanone	8.39	43	146907	107.512	ug/l	98
52) Toluene	7.76	92	119559	22.199	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	68677	22.152	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	82258	22.798	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	36534	21.369	ug/l	92
56) Ethyl methacrylate	8.74	69	39828	22.068	ug/l	98
57) 1,3-Dichloropropane	8.98	76	55928	21.656	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.44	63	57306	105.615	ug/l	99
59) 2-Hexanone	9.61	43	107356	113.602	ug/l	99
60) Dibromochloromethane	8.85	129	59910	21.425	ug/l	96
61) 1,2-Dibromoethane	9.12	107	41391	20.598	ug/l	98
64) Tetrachloroethene	8.29	164	67290	20.688	ug/l	97
65) Chlorobenzene	9.92	112	143917	21.710	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	69272	20.715	ug/l	97
67) Ethyl Benzene	10.02	91	246781	21.260	ug/l	96
68) m/p-Xylenes	10.25	106	191722	44.764	ug/l	98
69) o-Xylene	10.81	106	101758	21.987	ug/l	100
70) Styrene	10.88	104	155048	22.354	ug/l	99
71) Bromoform	10.87	173	35818	19.550	ug/l #	91
73) Isopropylbenzene	11.21	105	312417	21.471	ug/l	99
74) N-amyl acetate	11.44	43	72623	23.248	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.76	83	45369	19.914	ug/l	94
76) 1,2,3-Trichloropropane	11.86	75	35903	20.656	ug/l #	100
77) Bromobenzene	11.57	156	81414	21.319	ug/l	98
78) n-propylbenzene	11.66	91	344821	22.259	ug/l	99
79) 2-Chlorotoluene	11.79	91	210274	21.829	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	289811	22.724	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.92	75	13270m	20.310	ug/l	
82) 4-Chlorotoluene	11.96	91	209101	21.978	ug/l	99
83) tert-Butylbenzene	12.19	119	294916	22.003	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	269819	21.619	ug/l	99
85) sec-Butylbenzene	12.36	105	366580	22.470	ug/l	98
86) p-Isopropyltoluene	12.51	119	338624	22.340	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	156862	22.491	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	147444	21.904	ug/l	99
89) n-Butylbenzene	12.89	91	300141	22.257	ug/l	98
90) Hexachloroethane	12.96	117	78344	20.701	ug/l	99
91) 1,2-Dichlorobenzene	12.99	146	151569	22.453	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	10846	21.250	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	135865	22.439	ug/l	98
94) Hexachlorobutadiene	14.22	225	97934	21.701	ug/l	97
95) Naphthalene	14.49	128	193665	21.275	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	127521	21.739	ug/l	98

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

