

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062167.D
 Acq On : 4 Apr 2019 20:56
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF040419

Quant Time: Apr 05 05:59:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 05:27:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	209792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	345844	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	296885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.53	152	145659	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	135578	55.06	ug/l	0.00
Spiked Amount			Recovery	=	110.12%	
35) Dibromofluoromethane	4.08	113	141258	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
50) Toluene-d8	7.53	98	426699	55.95	ug/l	0.00
Spiked Amount			Recovery	=	111.90%	
62) 4-Bromofluorobenzene	11.39	95	169527	55.01	ug/l	0.00
Spiked Amount			Recovery	=	110.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	162638	52.957	ug/l	95
3) Chloromethane	1.09	50	137509	53.188	ug/l #	72
4) Vinyl Chloride	1.14	62	137360	53.888	ug/l #	85
5) Bromomethane	1.31	94	109426	60.500	ug/l	95
6) Chloroethane	1.38	64	75424	54.692	ug/l #	85
7) Trichlorofluoromethane	1.48	101	212070	56.740	ug/l	85
8) Diethyl Ether	1.62	74	41891	54.162	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.83	101	127883	53.926	ug/l	91
10) Methyl Iodide	1.89	142	225513m	55.483	ug/l	
11) Tert butyl alcohol	2.55	59	33034	303.498	ug/l #	72
12) 1,1-Dichloroethene	1.78	96	120693	58.640	ug/l	93
13) Acrolein	1.99	56	29664	256.124	ug/l	98
14) Allyl chloride	2.08	41	171581	60.116	ug/l	98
15) Acrylonitrile	2.93	53	90126	277.577	ug/l #	93
16) Acetone	2.23	43	128119	268.854	ug/l	99
17) Carbon Disulfide	1.82	76	388682m	55.926	ug/l	
18) Methyl Acetate	2.33	43	51269	46.986	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	211960	53.784	ug/l	95
20) Methylene Chloride	2.23	84	117403m	44.525	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	105757	53.002	ug/l	95
22) Diisopropyl ether	2.78	45	373249	56.994	ug/l	99
23) Vinyl Acetate	3.16	43	908680	294.728	ug/l	100
24) 1,1-Dichloroethane	2.85	63	221583	57.252	ug/l #	96
25) 2-Butanone	4.31	43	226981	270.205	ug/l	100
26) 2,2-Dichloropropane	3.58	77	110990	54.535	ug/l	83
27) cis-1,2-Dichloroethene	3.45	96	144650	56.642	ug/l	93
28) Bromochloromethane	3.70	49	81786	48.144	ug/l	98
29) Tetrahydrofuran	4.04	42	97382	270.992	ug/l	97
30) Chloroform	3.83	83	261713	56.644	ug/l	86
31) Cyclohexane	3.68	56	211653m	55.730	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	204624	65.600	ug/l	96
36) 1,1-Dichloropropene	4.25	75	211087	53.784	ug/l	92
37) Ethyl Acetate	4.09	43	102434	57.015	ug/l	94
38) Carbon Tetrachloride	3.96	117	166496	55.508	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	206169	53.147	ug/l	96
40) Benzene	4.60	78	502404	58.981	ug/l	99
41) Methacrylonitrile	4.72	41	52482	56.313	ug/l #	93
42) 1,2-Dichloroethane	4.92	62	174274	54.854	ug/l	100
43) Isopropyl Acetate	6.94	43	112457	58.094	ug/l #	95
44) Trichloroethene	5.48	130	147189	55.829	ug/l	85
45) 1,2-Dichloropropane	6.21	63	117887	58.271	ug/l	97
46) Dibromomethane	6.06	93	76523	55.789	ug/l	96
47) Bromodichloromethane	6.37	83	199352	53.792	ug/l #	87
48) Methyl methacrylate	6.69	41	77430	60.023	ug/l	95
49) 1,4-Dioxane	6.67	88	9710	1129.088	ug/l #	66
51) 4-Methyl-2-Pentanone	8.24	43	393488	269.171	ug/l	97
52) Toluene	7.60	92	296215	54.315	ug/l	94
53) t-1,3-Dichloropropene	8.26	75	170725	57.138	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	209490	57.539	ug/l	96
55) 1,1,2-Trichloroethane	8.46	97	80467	53.569	ug/l	96
56) Ethyl methacrylate	8.59	69	107012	52.875	ug/l	94
57) 1,3-Dichloropropane	8.83	76	147370	57.952	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	86564	308.908	ug/l	100
59) 2-Hexanone	9.47	43	276083	262.285	ug/l	99
60) Dibromochloromethane	8.69	129	126594	57.834	ug/l	85
61) 1,2-Dibromoethane	8.96	107	92935	57.918	ug/l	91
64) Tetrachloroethene	8.13	164	124978	55.656	ug/l	93
65) Chlorobenzene	9.77	112	324269	55.065	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.90	131	137718	53.926	ug/l	93
67) Ethyl Benzene	9.87	91	615351	53.628	ug/l	97
68) m/p-Xylenes	10.11	106	445747	107.906	ug/l	96
69) o-Xylene	10.69	106	227252	55.248	ug/l	99
70) Styrene	10.77	104	346196	54.966	ug/l	96
71) Bromoform	10.75	173	72233	55.071	ug/l #	90
73) Isopropylbenzene	11.10	105	632896	51.961	ug/l	98
74) N-amyl acetate	11.35	43	178782	54.273	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.67	83	107112	55.821	ug/l	96
76) 1,2,3-Trichloropropane	11.77	75	83849	56.250	ug/l	98
77) Bromobenzene	11.48	156	138092	53.748	ug/l	86
78) n-propylbenzene	11.57	91	754541	52.779	ug/l	97
79) 2-Chlorotoluene	11.70	91	455855	55.912	ug/l	99
80) 1,3,5-Trimethylbenzene	11.80	105	575711	55.539	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	37560m	62.163	ug/l	
82) 4-Chlorotoluene	11.88	91	465045	55.709	ug/l	96
83) tert-Butylbenzene	12.11	119	559041	53.717	ug/l	96
84) 1,2,4-Trimethylbenzene	12.19	105	550778	53.613	ug/l	99
85) sec-Butylbenzene	12.28	105	730832	55.593	ug/l	99
86) p-Isopropyltoluene	12.44	119	656792	55.507	ug/l	98
87) 1,3-Dichlorobenzene	12.45	146	269706	54.986	ug/l	94
88) 1,4-Dichlorobenzene	12.55	146	271103	54.596	ug/l	96
89) n-Butylbenzene	12.83	91	610421	53.488	ug/l	95
90) Hexachloroethane	12.89	117	150818	55.089	ug/l	80
91) 1,2-Dichlorobenzene	12.92	146	242996	52.478	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.62	75	21082	50.459	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	178174	52.633	ug/l	99
94) Hexachlorobutadiene	14.17	225	120169	55.159	ug/l	98
95) Naphthalene	14.44	128	317010	57.169	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	163031	55.660	ug/l	95

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

