

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062175.D
 Acq On : 16 Apr 2019 14:40
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV041619

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 11:50:37 AM

Quant Time: Apr 17 08:12:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	409094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	670193	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	523917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	254841	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	213642	57.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.98%	
35) Dibromofluoromethane	4.31	113	284589	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	7.71	98	851229	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
62) 4-Bromofluorobenzene	11.49	95	323086	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	316026	52.652	ug/l	98
3) Chloromethane	1.14	50	356872	55.247	ug/l	96
4) Vinyl Chloride	1.18	62	317212	56.129	ug/l	100
5) Bromomethane	1.36	94	211087	58.082	ug/l	98
6) Chloroethane	1.44	64	151269	56.531	ug/l	99
7) Trichlorofluoromethane	1.55	101	374220	55.363	ug/l	100
8) Diethyl Ether	1.71	74	75276	55.168	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	235207	53.278	ug/l	99
10) Methyl Iodide	1.98	142	442308	53.822	ug/l	100
11) Tert butyl alcohol	2.69	59	52192	255.595	ug/l	97
12) 1,1-Dichloroethene	1.87	96	249765	55.629	ug/l	99
13) Acrolein	2.10	56	35181	218.718	ug/l	95
14) Allyl chloride	2.20	41	405969	60.051	ug/l	97
15) Acrylonitrile	3.08	53	189465	249.709	ug/l	98
16) Acetone	2.34	43	240963	290.107	ug/l	99
17) Carbon Disulfide	1.91	76	722534	56.810	ug/l	100
18) Methyl Acetate	2.46	43	87964	50.368	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	395984	53.023	ug/l	97
20) Methylene Chloride	2.33	84	226682m	57.968	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	227453	52.948	ug/l	97
22) Diisopropyl ether	2.94	45	671462	53.432	ug/l	98
23) Vinyl Acetate	3.34	43	1676697	267.483	ug/l	99
24) 1,1-Dichloroethane	3.01	63	371904	53.144	ug/l	100
25) 2-Butanone	4.52	43	462268	259.087	ug/l	98
26) 2,2-Dichloropropane	3.77	77	200203	54.392	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	294080	51.572	ug/l	98
28) Bromochloromethane	3.90	49	177828	53.067	ug/l #	95
29) Tetrahydrofuran	4.27	42	194595	245.215	ug/l	98
30) Chloroform	4.05	83	439995	50.573	ug/l	99
31) Cyclohexane	3.88	56	492309	54.453	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	318600	53.704	ug/l	97
36) 1,1-Dichloropropene	4.47	75	366953	49.280	ug/l	97
37) Ethyl Acetate	4.31	43	153868	44.845	ug/l	99
38) Carbon Tetrachloride	4.19	117	316223m	49.339	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	483015	51.762	ug/l	98
40) Benzene	4.82	78	981230	49.886	ug/l	98
41) Methacrylonitrile	4.93	41	97314	47.203	ug/l	94
42) 1,2-Dichloroethane	5.13	62	240520	48.314	ug/l	100
43) Isopropyl Acetate	7.12	43	185020	46.674	ug/l #	100
44) Trichloroethene	5.69	130	260370	49.456	ug/l	97
45) 1,2-Dichloropropane	6.41	63	229732	47.609	ug/l	95
46) Dibromomethane	6.26	93	137580	47.282	ug/l	95
47) Bromodichloromethane	6.55	83	310375	47.083	ug/l	98
48) Methyl methacrylate	6.88	41	124332	47.902	ug/l	97
49) 1,4-Dioxane	6.87	88	17523	866.365	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	684190	223.975	ug/l	100
52) Toluene	7.78	92	547225	47.359	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	261223	45.749	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	346634	47.741	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	151046	45.641	ug/l	97
56) Ethyl methacrylate	8.75	69	172002	43.708	ug/l	98
57) 1,3-Dichloropropane	9.00	76	265647	48.826	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.45	63	240623	237.320	ug/l	96
59) 2-Hexanone	9.62	43	481906	248.223	ug/l	97
60) Dibromochloromethane	8.86	129	212006	46.560	ug/l	96
61) 1,2-Dibromoethane	9.13	107	176766	49.925	ug/l	99
64) Tetrachloroethene	8.31	164	215322	50.320	ug/l	96
65) Chlorobenzene	9.93	112	559971	51.379	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	223352	49.639	ug/l	99
67) Ethyl Benzene	10.03	91	1018664	50.422	ug/l	99
68) m/p-Xylenes	10.26	106	748251	100.611	ug/l	98
69) o-Xylene	10.82	106	417450	51.845	ug/l	97
70) Styrene	10.89	104	577945	49.355	ug/l	99
71) Bromoform	10.88	173	115261	48.915	ug/l #	94
73) Isopropylbenzene	11.22	105	1150322	52.395	ug/l	98
74) N-amyl acetate	11.45	43	273476	54.902	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	197733	50.559	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	133836	50.460	ug/l	93
77) Bromobenzene	11.58	156	234882	51.443	ug/l	92
78) n-propylbenzene	11.67	91	1250755	50.120	ug/l	98
79) 2-Chlorotoluene	11.80	91	747119	50.790	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	914870	49.964	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	68915m	51.952	ug/l	
82) 4-Chlorotoluene	11.97	91	724691	50.272	ug/l	96
83) tert-Butylbenzene	12.20	119	929808	51.139	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	895284	50.381	ug/l	99
85) sec-Butylbenzene	12.37	105	1194499	49.962	ug/l	97
86) p-Isopropyltoluene	12.52	119	1037093	50.917	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	431749	51.684	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	411688	50.547	ug/l	96
89) n-Butylbenzene	12.90	91	1003641	52.933	ug/l	98
90) Hexachloroethane	12.97	117	252931	50.695	ug/l	88
91) 1,2-Dichlorobenzene	13.00	146	398521	49.711	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	34855	49.483	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	306360	50.883	ug/l	98
94) Hexachlorobutadiene	14.23	225	203120	51.765	ug/l	99
95) Naphthalene	14.49	128	533108	50.680	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	282450	50.352	ug/l	98

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

