

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000813.D
 Acq On : 27 Nov 2019 12:21
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:18 AM

Quant Time: Nov 27 12:40:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:00:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	347891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	604701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	525213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	231798	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	499094	140.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.58%	
35) Dibromofluoromethane	7.73	113	484710	138.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.02%	
50) Toluene-d8	10.18	98	2048443	153.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.12%	
62) 4-Bromofluorobenzene	12.48	95	685424	134.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	269.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	504310	145.938	ug/l	97
3) Chloromethane	2.12	50	613772	130.482	ug/l	100
4) Vinyl Chloride	2.25	62	596787	135.314	ug/l	99
5) Bromomethane	2.63	94	316623	118.487	ug/l	98
6) Chloroethane	2.79	64	365856	131.814	ug/l	99
7) Trichlorofluoromethane	3.12	101	859036	143.313	ug/l	96
8) Diethyl Ether	3.54	74	324456	150.444	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	548350	150.322	ug/l	99
10) Methyl Iodide	4.10	142	772689	178.870	ug/l	98
11) Tert butyl alcohol	4.97	59	237085	650.787	ug/l	99
12) 1,1-Dichloroethene	3.88	96	551113	156.796	ug/l	92
13) Acrolein	3.74	56	236776	751.598	ug/l	99
14) Allyl chloride	4.49	41	919446	157.206	ug/l	97
15) Acrylonitrile	5.18	53	812476	729.114	ug/l	98
16) Acetone	3.96	43	538098	562.870	ug/l	100
17) Carbon Disulfide	4.19	76	1812153	161.087	ug/l	100
18) Methyl Acetate	4.49	43	460067	143.377	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	1414962	142.992	ug/l	98
20) Methylene Chloride	4.72	84	597817	137.496	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	615943	153.559	ug/l	99
22) Diisopropyl ether	6.13	45	1777923	141.043	ug/l	98
23) Vinyl Acetate	6.07	43	5417633	680.702	ug/l	97
24) 1,1-Dichloroethane	6.03	63	1037192	151.415	ug/l	99
25) 2-Butanone	7.00	43	1006165	626.002	ug/l	96
26) 2,2-Dichloropropane	6.99	77	862016	139.884	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	667974	152.110	ug/l	98
28) Bromochloromethane	7.35	49	405266	153.742	ug/l	100
29) Tetrahydrofuran	7.35	42	657991	658.776	ug/l	98
30) Chloroform	7.52	83	993359	144.819	ug/l	98
31) Cyclohexane	7.79	56	1039082	145.028	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	863092	142.693	ug/l	99
36) 1,1-Dichloropropene	7.93	75	832490	143.531	ug/l	100
37) Ethyl Acetate	7.08	43	436904	125.749	ug/l	99
38) Carbon Tetrachloride	7.91	117	754261	137.109	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	1121827	149.723	ug/l	99
40) Benzene	8.17	78	2453314	144.160	ug/l	99
41) Methacrylonitrile	7.33	41	235962m	123.275	ug/l	
42) 1,2-Dichloroethane	8.25	62	616519	129.385	ug/l	100
43) Isopropyl Acetate	8.28	43	847308	129.943	ug/l	98
44) Trichloroethene	8.94	130	627664	140.388	ug/l	97
45) 1,2-Dichloropropane	9.22	63	609422	144.513	ug/l	99
46) Dibromomethane	9.31	93	320351	139.219	ug/l	99
47) Bromodichloromethane	9.50	83	768860	141.685	ug/l	100
48) Methyl methacrylate	9.30	41	379361	131.992	ug/l	94
49) 1,4-Dioxane	9.30	88	89147	2827.762	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	2150927	624.329	ug/l	99
52) Toluene	10.25	92	1514058	141.027	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	832495	143.175	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	975200	145.836	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	465342	139.532	ug/l	97
56) Ethyl methacrylate	10.51	69	697641	146.748	ug/l	97
57) 1,3-Dichloropropane	10.79	76	811648	139.165	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	1287270	624.316	ug/l	100
59) 2-Hexanone	10.83	43	1572232	623.278	ug/l	98
60) Dibromochloromethane	10.99	129	520190	137.589	ug/l	99
61) 1,2-Dibromoethane	11.09	107	443108	138.547	ug/l	99
64) Tetrachloroethene	10.72	164	602356	137.142	ug/l	97
65) Chlorobenzene	11.52	112	1527849	141.787	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	521661	140.711	ug/l	99
67) Ethyl Benzene	11.59	91	2862581	144.730	ug/l	99
68) m/p-Xylenes	11.70	106	2133182	280.627	ug/l	100
69) o-Xylene	12.03	106	1005468	140.058	ug/l	99
70) Styrene	12.04	104	1736105	141.531	ug/l	99
71) Bromoform	12.20	173	302610	141.754	ug/l #	100
73) Isopropylbenzene	12.33	105	2711758	155.321	ug/l	99
74) N-amyl acetate	12.14	43	716388	143.215	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	524587	149.983	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	366303m	140.670	ug/l	
77) Bromobenzene	12.61	156	581568	147.321	ug/l	99
78) n-propylbenzene	12.67	91	3285110	155.712	ug/l	100
79) 2-Chlorotoluene	12.75	91	1799867	153.729	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	2204472	152.072	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	205259	166.771	ug/l	97
82) 4-Chlorotoluene	12.85	91	1856628	153.628	ug/l	99
83) tert-Butylbenzene	13.07	119	1880525	152.098	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	2166662	150.313	ug/l	99
85) sec-Butylbenzene	13.25	105	2679122	152.289	ug/l	100
86) p-Isopropyltoluene	13.37	119	2302070	147.032	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	1082836	140.994	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	1094868	142.534	ug/l	100
89) n-Butylbenzene	13.69	91	2353278	151.846	ug/l	99
90) Hexachloroethane	13.96	117	451550	155.448	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	995053	142.689	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	84969	138.609	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	666453	139.730	ug/l	99
94) Hexachlorobutadiene	15.11	225	318487	131.917	ug/l	98
95) Naphthalene	15.23	128	1575389	147.297	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	591525	139.310	ug/l	100

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

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