

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000812.D
 Acq On : 27 Nov 2019 12:00
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:22 AM

Quant Time: Nov 27 12:20:15 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	341956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	592429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	527168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	239925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	358247	102.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.90%	
35) Dibromofluoromethane	7.73	113	341662	99.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.60%	
50) Toluene-d8	10.18	98	1419812	108.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.58%	
62) 4-Bromofluorobenzene	12.48	95	485607	97.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	346187	101.919	ug/l	98
3) Chloromethane	2.12	50	417977	90.400	ug/l	98
4) Vinyl Chloride	2.25	62	417656	96.342	ug/l	98
5) Bromomethane	2.64	94	236243	89.942	ug/l	100
6) Chloroethane	2.79	64	253522	92.926	ug/l	96
7) Trichlorofluoromethane	3.13	101	591872	100.456	ug/l	96
8) Diethyl Ether	3.54	74	230493	108.730	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	369116	102.944	ug/l	100
10) Methyl Iodide	4.10	142	506070	119.184	ug/l	98
11) Tert butyl alcohol	4.97	59	185243	517.309	ug/l	99
12) 1,1-Dichloroethene	3.88	96	371421	107.506	ug/l	95
13) Acrolein	3.74	56	178403	576.134	ug/l	99
14) Allyl chloride	4.49	41	636243	110.672	ug/l	98
15) Acrylonitrile	5.18	53	613216	559.850	ug/l	98
16) Acetone	3.96	43	401954	427.756	ug/l	100
17) Carbon Disulfide	4.20	76	1224950	110.779	ug/l	99
18) Methyl Acetate	4.49	43	352927	111.896	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	1029867	105.882	ug/l	100
20) Methylene Chloride	4.72	84	411462	96.277	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	414341	105.091	ug/l	98
22) Diisopropyl ether	6.13	45	1274308	102.846	ug/l	95
23) Vinyl Acetate	6.07	43	4090669	522.895	ug/l	98
24) 1,1-Dichloroethane	6.04	63	721709	107.187	ug/l	99
25) 2-Butanone	7.00	43	785282	497.056	ug/l	99
26) 2,2-Dichloropropane	6.99	77	593341	97.956	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	457112	105.899	ug/l	100
28) Bromochloromethane	7.35	49	292163	112.759	ug/l	99
29) Tetrahydrofuran	7.36	42	528775	538.595	ug/l	100
30) Chloroform	7.52	83	697730	103.485	ug/l	99
31) Cyclohexane	7.79	56	725001	102.947	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	601702	101.205	ug/l	97
36) 1,1-Dichloropropene	7.93	75	576413	101.439	ug/l	99
37) Ethyl Acetate	7.09	43	344806	101.297	ug/l	100
38) Carbon Tetrachloride	7.91	117	518397	96.186	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	775443	105.638	ug/l	99
40) Benzene	8.17	78	1696229	101.737	ug/l	98
41) Methacrylonitrile	7.33	41	180028m	96.001	ug/l	
42) 1,2-Dichloroethane	8.25	62	443905	95.090	ug/l	100
43) Isopropyl Acetate	8.28	43	654982	102.529	ug/l	99
44) Trichloroethene	8.94	130	433583	98.987	ug/l	94
45) 1,2-Dichloropropane	9.22	63	427605	103.499	ug/l	94
46) Dibromomethane	9.31	93	224437	99.557	ug/l	98
47) Bromodichloromethane	9.50	83	533346	100.321	ug/l	99
48) Methyl methacrylate	9.30	41	285449	101.375	ug/l	95
49) 1,4-Dioxane	9.30	88	64177	2077.877	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	1709655	506.525	ug/l	100
52) Toluene	10.25	92	1054592	100.265	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	597898	104.959	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	691684	105.581	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	338686	103.658	ug/l	98
56) Ethyl methacrylate	10.51	69	515965	110.781	ug/l	98
57) 1,3-Dichloropropane	10.79	76	585589	102.485	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	935952	463.332	ug/l	100
59) 2-Hexanone	10.83	43	1265835	512.208	ug/l	100
60) Dibromochloromethane	10.99	129	377458	101.905	ug/l	98
61) 1,2-Dibromoethane	11.09	107	320856	102.400	ug/l	100
64) Tetrachloroethene	10.72	164	425319	96.476	ug/l	98
65) Chlorobenzene	11.52	112	1082110	100.049	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	370646	99.606	ug/l	99
67) Ethyl Benzene	11.59	91	1997332	100.609	ug/l	99
68) m/p-Xylenes	11.70	106	1496147	196.093	ug/l	100
69) o-Xylene	12.03	106	709329	98.440	ug/l	98
70) Styrene	12.04	104	1228027	99.740	ug/l	99
71) Bromoform	12.20	173	224546	104.796	ug/l #	99
73) Isopropylbenzene	12.33	105	1904526	105.390	ug/l	100
74) N-amyl acetate	12.14	43	553541	106.912	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	391330	108.094	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	282581m	104.843	ug/l	
77) Bromobenzene	12.61	156	415435	101.672	ug/l	99
78) n-propylbenzene	12.67	91	2301051	105.374	ug/l	100
79) 2-Chlorotoluene	12.75	91	1264708	104.361	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	1547187	103.115	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	155698	122.218	ug/l	98
82) 4-Chlorotoluene	12.85	91	1308552	104.609	ug/l	99
83) tert-Butylbenzene	13.07	119	1318990	103.067	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1535994	102.951	ug/l	99
85) sec-Butylbenzene	13.25	105	1900576	104.375	ug/l	99
86) p-Isopropyltoluene	13.36	119	1641514	101.292	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	778956	97.991	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	784861	98.715	ug/l	100
89) n-Butylbenzene	13.69	91	1666754	103.905	ug/l	99
90) Hexachloroethane	13.95	117	317852	105.715	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	725541	100.517	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	64069	100.975	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	485044	98.251	ug/l	99
94) Hexachlorobutadiene	15.11	225	228841	91.575	ug/l	99
95) Naphthalene	15.23	128	1197025	108.129	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	435457	99.081	ug/l	99

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

