

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY090420\
 Data File : VY003437.D
 Acq On : 04 Sep 2020 18:19
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY090420

Quant Time: Sep 08 09:09:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y090420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 08 09:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	613265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	1020881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	920285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	443178	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	340248	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.72	113	314804	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.18	98	1266576	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.48	95	438616	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	207212	47.397	ug/l	98
3) Chloromethane	2.11	50	290948	49.437	ug/l	98
4) Vinyl Chloride	2.25	62	279960	47.764	ug/l	99
5) Bromomethane	2.65	94	187521	50.932	ug/l	99
6) Chloroethane	2.80	64	137225	46.755	ug/l	94
7) Trichlorofluoromethane	3.13	101	433689	45.674	ug/l	98
8) Diethyl Ether	3.54	74	184148	46.893	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	290467	47.193	ug/l	99
10) Methyl Iodide	4.10	142	314029	55.276	ug/l	99
11) Tert butyl alcohol	4.96	59	182566	232.208	ug/l	99
12) 1,1-Dichloroethene	3.88	96	300929	47.884	ug/l	99
13) Acrolein	3.74	56	96589	192.202	ug/l	99
14) Allyl chloride	4.49	41	603280	53.688	ug/l #	93
15) Acrylonitrile	5.18	53	543262	259.677	ug/l	98
16) Acetone	3.96	43	336220	183.503	ug/l	97
17) Carbon Disulfide	4.20	76	1028595	50.942	ug/l	100
18) Methyl Acetate	4.48	43	253312	52.423	ug/l #	89
19) Methyl tert-butyl Ether	5.23	73	903554	52.177	ug/l	98
20) Methylene Chloride	4.72	84	372113	49.906	ug/l #	82
21) trans-1,2-Dichloroethene	5.22	96	354223	49.273	ug/l	87
22) Diisopropyl ether	6.13	45	1216297	53.342	ug/l	96
23) Vinyl Acetate	6.07	43	4071252	272.560	ug/l	94
24) 1,1-Dichloroethane	6.02	63	629007	50.901	ug/l	98
25) 2-Butanone	6.99	43	712548	248.447	ug/l	99
26) 2,2-Dichloropropane	6.99	77	505259	48.420	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	394068	49.098	ug/l	99
28) Bromochloromethane	7.34	49	312698	51.419	ug/l	99
29) Tetrahydrofuran	7.35	42	484063	255.817	ug/l	98
30) Chloroform	7.51	83	605541	50.112	ug/l	98
31) Cyclohexane	7.79	56	598588	46.802	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	520230	50.510	ug/l	99
36) 1,1-Dichloropropene	7.92	75	490130	49.907	ug/l	99
37) Ethyl Acetate	7.08	43	322867	51.906	ug/l	99
38) Carbon Tetrachloride	7.91	117	453636	50.438	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	620926	48.804	ug/l	97
40) Benzene	8.16	78	1449364	49.640	ug/l	100
41) Methacrylonitrile	7.35	41	434817	118.533	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	403046	51.250	ug/l	99
43) Isopropyl Acetate	8.28	43	598679	52.401	ug/l	99
44) Trichloroethene	8.94	130	385256	49.235	ug/l	96
45) 1,2-Dichloropropane	9.22	63	382327	50.551	ug/l	97
46) Dibromomethane	9.31	93	200376	50.622	ug/l	99
47) Bromodichloromethane	9.50	83	476940	50.965	ug/l	99
48) Methyl methacrylate	9.29	41	278537	52.638	ug/l	97
49) 1,4-Dioxane	9.30	88	53667	975.171	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	1588988	260.424	ug/l	98
52) Toluene	10.24	92	894565	50.348	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	519185	51.547	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	603085	50.952	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	292393	50.896	ug/l	99
56) Ethyl methacrylate	10.51	69	418198	52.584	ug/l	97
57) 1,3-Dichloropropane	10.79	76	512570	50.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	1144589	270.199	ug/l	99
59) 2-Hexanone	10.83	43	1099439	262.842	ug/l	97
60) Dibromochloromethane	10.99	129	341031	51.773	ug/l	100
61) 1,2-Dibromoethane	11.09	107	273368	50.482	ug/l	100
64) Tetrachloroethene	10.72	164	372655	49.149	ug/l	99
65) Chlorobenzene	11.52	112	943368	49.705	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	338040	50.805	ug/l	99
67) Ethyl Benzene	11.59	91	1716816	50.498	ug/l	100
68) m/p-Xylenes	11.70	106	1290851	101.101	ug/l	100
69) o-Xylene	12.03	106	609925	50.391	ug/l	99
70) Styrene	12.04	104	1034947	51.000	ug/l	99
71) Bromoform	12.20	173	206524	51.561	ug/l #	100
73) Isopropylbenzene	12.33	105	1648293	50.377	ug/l	100
74) N-amyl acetate	12.14	43	533921	52.439	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	337943	50.955	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	461037	95.655	ug/l #	100
77) Bromobenzene	12.61	156	384843	50.117	ug/l	98
78) n-propylbenzene	12.67	91	1992243	50.390	ug/l	100
79) 2-Chlorotoluene	12.75	91	1103372	50.360	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1362348	50.638	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	126789	51.106	ug/l	97
82) 4-Chlorotoluene	12.85	91	1165604	50.327	ug/l	100
83) tert-Butylbenzene	13.07	119	1167178	50.770	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1357338	50.281	ug/l	100
85) sec-Butylbenzene	13.25	105	1668832	50.508	ug/l	100
86) p-Isopropyltoluene	13.36	119	1485159	50.696	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	725162	49.616	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	725972	49.360	ug/l	100
89) n-Butylbenzene	13.69	91	1470280	50.366	ug/l	100
90) Hexachloroethane	13.95	117	275960	50.836	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	665741	49.944	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	55075	50.983	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	446469	50.281	ug/l	99
94) Hexachlorobutadiene	15.11	225	230998	49.387	ug/l	99
95) Naphthalene	15.23	128	982510	51.763	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	390473	49.594	ug/l	99

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

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