

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
 Data File : VY001359.D
 Acq On : 23 Jan 2020 17:10
 Operator : SY/MD
 Sample : L1241-05MS
 Misc : 4.88G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-12MS

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:03:37 PM

Quant Time: Jan 24 08:10:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	182695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	328288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	282618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	126810	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	102343	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	7.75	113	94566	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	10.19	98	378798	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.49	95	136577	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	67931	47.150	ug/l	99
3) Chloromethane	2.13	50	97929	44.973	ug/l	99
4) Vinyl Chloride	2.27	62	101873	44.868	ug/l	96
5) Bromomethane	2.66	94	68925	45.074	ug/l	100
6) Chloroethane	2.81	64	66666	45.950	ug/l	96
7) Trichlorofluoromethane	3.15	101	138088	47.534	ug/l	98
8) Diethyl Ether	3.56	74	54986	44.838	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	87275	47.175	ug/l	99
10) Methyl Iodide	4.13	142	105191	43.111	ug/l	99
11) Tert butyl alcohol	4.99	59	65409	262.698	ug/l	95
12) 1,1-Dichloroethene	3.90	96	86586	44.638	ug/l	99
13) Acrolein	3.77	56	1078m	Below Cal		
14) Allyl chloride	4.52	41	156171	45.146	ug/l	99
15) Acrylonitrile	5.21	53	137039	218.309	ug/l	99
16) Acetone	3.98	43	149417	286.419	ug/l	96
17) Carbon Disulfide	4.22	76	243709	39.948	ug/l	98
18) Methyl Acetate	4.51	43	309179	184.423	ug/l	99
19) Methyl tert-butyl Ether	5.26	73	255624	45.007	ug/l	99
20) Methylene Chloride	4.75	84	102901	41.168	ug/l	96
21) trans-1,2-Dichloroethene	5.26	96	100965	44.809	ug/l	97
22) Diisopropyl ether	6.16	45	320614	43.647	ug/l #	88
23) Vinyl Acetate	6.16	43	153417	32.171	ug/l #	72
24) 1,1-Dichloroethane	6.06	63	176685	45.634	ug/l	97
25) 2-Butanone	7.02	43	184802	213.575	ug/l	98
26) 2,2-Dichloropropane	7.02	77	153524	44.515	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	115477	45.858	ug/l	100
28) Bromochloromethane	7.37	49	89497	56.050	ug/l	100
29) Tetrahydrofuran	7.38	42	125156	222.326	ug/l	99
30) Chloroform	7.54	83	174909	46.089	ug/l	100
31) Cyclohexane	7.82	56	166906	43.418	ug/l	99
32) 1,1,1-Trichloroethane	7.74	97	148380	46.305	ug/l	100
36) 1,1-Dichloropropene	7.95	75	127893	41.236	ug/l	99
37) Ethyl Acetate	7.02	43	184802	97.524	ug/l #	1
38) Carbon Tetrachloride	7.93	117	127643	46.178	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	168027	42.290	ug/l	98
40) Benzene	8.19	78	416399	44.776	ug/l	99
41) Methacrylonitrile	7.36	41	32348m	33.081	ug/l	
42) 1,2-Dichloroethane	8.27	62	115205	44.336	ug/l	100
43) Isopropyl Acetate	8.30	43	4598	1.248	ug/l #	63
44) Trichloroethene	8.96	130	106767	44.740	ug/l	97
45) 1,2-Dichloropropane	9.24	63	105652	44.941	ug/l	99
46) Dibromomethane	9.33	93	56921	45.101	ug/l	98
47) Bromodichloromethane	9.52	83	135180	44.805	ug/l	98
48) Methyl methacrylate	9.31	41	124678	74.432	ug/l	96
49) 1,4-Dioxane	9.32	88	15994	898.648	ug/l #	92
51) 4-Methyl-2-Pentanone	10.09	43	386017	203.430	ug/l	100
52) Toluene	10.26	92	257340	43.654	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	148951	44.542	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	167343	43.598	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	84038	45.113	ug/l	98
56) Ethyl methacrylate	10.52	69	18288	6.495	ug/l #	80
57) 1,3-Dichloropropane	10.80	76	144507	44.532	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	224200	230.123	ug/l	100
59) 2-Hexanone	10.85	43	230190	174.252	ug/l	99
60) Dibromochloromethane	11.00	129	92941	44.609	ug/l	100
61) 1,2-Dibromoethane	11.10	107	79009	44.866	ug/l	99
64) Tetrachloroethene	10.73	164	82121	45.490	ug/l	98
65) Chlorobenzene	11.53	112	266959	44.813	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	93528	46.005	ug/l	99
67) Ethyl Benzene	11.60	91	472839	43.070	ug/l	100
68) m/p-Xylenes	11.71	106	363867	88.741	ug/l	99
69) o-Xylene	12.04	106	176064	44.635	ug/l	99
70) Styrene	12.05	104	304048	43.933	ug/l	99
71) Bromoform	12.22	173	54325	44.765	ug/l #	100
73) Isopropylbenzene	12.34	105	440423	44.014	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	105403	49.185	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	78701m	51.504	ug/l	
77) Bromobenzene	12.61	156	102676	46.327	ug/l	99
78) n-propylbenzene	12.68	91	508169	42.192	ug/l	100
79) 2-Chlorotoluene	12.77	91	313356	45.542	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	380439	45.548	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	36903	45.701	ug/l	99
82) 4-Chlorotoluene	12.86	91	331807	45.146	ug/l	100
83) tert-Butylbenzene	13.08	119	321842	45.712	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	366957	43.760	ug/l	100
85) sec-Butylbenzene	13.26	105	421014	42.088	ug/l	99
86) p-Isopropyltoluene	13.38	119	367528	41.693	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	192047	44.993	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	191227	44.123	ug/l	99
89) n-Butylbenzene	13.70	91	325157	36.651	ug/l	99
90) Hexachloroethane	13.97	117	73568	44.028	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	176210	44.763	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	16214	43.846	ug/l	98
93) 1,2,4-Trichlorobenzene	15.02	180	95729	36.233	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.12	225	38028	29.560	ug/l	97
95) Naphthalene	15.24	128	245048	40.562	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	82186	35.461	ug/l	100

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

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