

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
 Data File : VY001360.D
 Acq On : 23 Jan 2020 17:32
 Operator : SY/MD
 Sample : L1241-06MSD
 Misc : 4.89G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-12MSD

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:03:41 PM

Quant Time: Jan 24 08:12:40 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	188728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	337957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	290936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	132097	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	107834	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
35) Dibromofluoromethane	7.75	113	98743	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	10.20	98	386309	50.13	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.49	95	145086	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	77792	52.268	ug/l	100
3) Chloromethane	2.13	50	111558	49.594	ug/l	99
4) Vinyl Chloride	2.26	62	117139	49.942	ug/l	98
5) Bromomethane	2.66	94	77671	49.170	ug/l	98
6) Chloroethane	2.81	64	75864	50.618	ug/l	98
7) Trichlorofluoromethane	3.15	101	156855	52.268	ug/l	100
8) Diethyl Ether	3.55	74	62146	49.056	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.93	101	98905	51.752	ug/l	100
10) Methyl Iodide	4.12	142	123262	48.902	ug/l	100
11) Tert butyl alcohol	4.99	59	75242	294.917	ug/l	96
12) 1,1-Dichloroethene	3.90	96	95907	47.862	ug/l	97
13) Acrolein	3.76	56	1611	Below Cal		89
14) Allyl chloride	4.52	41	177410	49.647	ug/l	99
15) Acrylonitrile	5.20	53	148766	229.415	ug/l	99
16) Acetone	3.97	43	161519	300.083	ug/l	98
17) Carbon Disulfide	4.22	76	272703	43.272	ug/l	97
18) Methyl Acetate	4.51	43	278286	160.689	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	292086	49.783	ug/l	100
20) Methylene Chloride	4.75	84	114808	44.834	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	115302	49.537	ug/l	98
22) Diisopropyl ether	6.16	45	367457	48.425	ug/l #	88
23) Vinyl Acetate	6.16	43	176309	35.790	ug/l #	71
24) 1,1-Dichloroethane	6.05	63	203743	50.940	ug/l	97
25) 2-Butanone	7.02	43	211926	237.093	ug/l	98
26) 2,2-Dichloropropane	7.02	77	174925	49.099	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	131142	50.414	ug/l	99
28) Bromochloromethane	7.36	49	91867	55.695	ug/l	99
29) Tetrahydrofuran	7.38	42	144518	248.514	ug/l	99
30) Chloroform	7.54	83	197386	50.349	ug/l	99
31) Cyclohexane	7.82	56	187512	47.219	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	167673	50.654	ug/l	99
36) 1,1-Dichloropropene	7.94	75	139606	43.725	ug/l	99
37) Ethyl Acetate	7.02	43	211926	108.639	ug/l #	1
38) Carbon Tetrachloride	7.93	117	144070	50.630	ug/l	100

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

39) Methylcyclohexane	9.21	83	186612	45.624	ug/l	98
40) Benzene	8.19	78	471591	49.260	ug/l	100
41) Methacrylonitrile	7.36	41	39890m	39.626	ug/l	
42) 1,2-Dichloroethane	8.27	62	133045	49.736	ug/l	100
43) Isopropyl Acetate	8.30	43	10464	2.759	ug/l #	63
44) Trichloroethene	8.96	130	120848	49.192	ug/l	99
45) 1,2-Dichloropropane	9.24	63	122361	50.560	ug/l	100
46) Dibromomethane	9.33	93	65342	50.292	ug/l	98
47) Bromodichloromethane	9.52	83	154980	49.899	ug/l	99
48) Methyl methacrylate	9.31	41	145899	84.609	ug/l	96
49) 1,4-Dioxane	9.31	88	17287	943.508	ug/l #	88
51) 4-Methyl-2-Pentanone	10.09	43	466556	238.839	ug/l	100
52) Toluene	10.26	92	285824	47.098	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	169836	49.334	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	190437	48.195	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	96535	50.340	ug/l	97
56) Ethyl methacrylate	10.52	69	6380	2.201	ug/l #	75
57) 1,3-Dichloropropane	10.81	76	166629	49.880	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	243112	242.395	ug/l	98
59) 2-Hexanone	10.85	43	282534	207.757	ug/l	100
60) Dibromochloromethane	11.00	129	106181	49.506	ug/l	99
61) 1,2-Dibromoethane	11.11	107	91469	50.455	ug/l	98
64) Tetrachloroethene	10.74	164	90850	48.886	ug/l	99
65) Chlorobenzene	11.53	112	304924	49.722	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	110334	52.720	ug/l	99
67) Ethyl Benzene	11.61	91	531789	47.055	ug/l	100
68) m/p-Xylenes	11.71	106	413814	98.037	ug/l	100
69) o-Xylene	12.04	106	204757	50.425	ug/l	99
70) Styrene	12.06	104	340038	47.728	ug/l	100
71) Bromoform	12.22	173	63285	50.657	ug/l #	99
73) Isopropylbenzene	12.34	105	495997	47.584	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	121189	54.288	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	83715m	52.592	ug/l	
77) Bromobenzene	12.62	156	118815	51.464	ug/l	99
78) n-propylbenzene	12.68	91	569408	45.385	ug/l	99
79) 2-Chlorotoluene	12.77	91	363932	50.776	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	441994	50.799	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	41895	49.807	ug/l	99
82) 4-Chlorotoluene	12.86	91	378489	49.437	ug/l	99
83) tert-Butylbenzene	13.08	119	362798	49.467	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	425143	48.669	ug/l	99
85) sec-Butylbenzene	13.27	105	471924	45.289	ug/l	100
86) p-Isopropyltoluene	13.38	119	420637	45.808	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	224019	50.383	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	225143	49.870	ug/l	99
89) n-Butylbenzene	13.70	91	365705	39.571	ug/l	99
90) Hexachloroethane	13.97	117	85474	49.106	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	207668	50.643	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	19543	50.733	ug/l	99
93) 1,2,4-Trichlorobenzene	15.02	180	115350	41.912	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.12	225	44951	33.543	ug/l	96
95) Naphthalene	15.25	128	302572	48.080	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	100276	41.535	ug/l	99

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

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