

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002460.D
 Acq On : 23 Apr 2020 14:57
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY042320

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:41 PM

Quant Time: Apr 24 02:35:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	312307	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	461331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	411632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	209202	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	125561	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.74	113	122932	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
50) Toluene-d8	10.19	98	477772	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
62) 4-Bromofluorobenzene	12.49	95	159259	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	129743	56.726	ug/l	98
3) Chloromethane	2.13	50	153731	52.827	ug/l	98
4) Vinyl Chloride	2.27	62	137374	65.712	ug/l	97
5) Bromomethane	2.67	94	58240	49.637	ug/l	93
6) Chloroethane	2.81	64	51189	46.787	ug/l	97
7) Trichlorofluoromethane	3.15	101	200908	52.999	ug/l	98
8) Diethyl Ether	3.55	74	83869	53.675	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	141899	54.380	ug/l	99
10) Methyl Iodide	4.12	142	215731	53.591	ug/l	98
11) Tert butyl alcohol	4.99	59	68174	265.357	ug/l	99
12) 1,1-Dichloroethene	3.90	96	143566	53.699	ug/l	99
13) Acrolein	3.76	56	57365	278.930	ug/l	99
14) Allyl chloride	4.51	41	206754	52.624	ug/l	96
15) Acrylonitrile	5.19	53	197810	264.588	ug/l	99
16) Acetone	3.97	43	181987	319.021	ug/l	99
17) Carbon Disulfide	4.22	76	436618	52.375	ug/l	100
18) Methyl Acetate	4.51	43	91883	50.055	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	380290	52.714	ug/l	98
20) Methylene Chloride	4.75	84	153398	47.099	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	154027	51.172	ug/l	95
22) Diisopropyl ether	6.15	45	394479	50.780	ug/l	100
23) Vinyl Acetate	6.09	43	1311756	265.740	ug/l	99
24) 1,1-Dichloroethane	6.05	63	241123	51.268	ug/l	99
25) 2-Butanone	7.01	43	243755	278.914	ug/l	98
26) 2,2-Dichloropropane	7.00	77	234585	52.154	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	170182	51.983	ug/l	99
28) Bromochloromethane	7.36	49	86669	47.235	ug/l	98
29) Tetrahydrofuran	7.37	42	155164	267.790	ug/l	99
30) Chloroform	7.53	83	255813	51.084	ug/l	98
31) Cyclohexane	7.80	56	228262	48.535	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	246223	52.035	ug/l	100
36) 1,1-Dichloropropene	7.94	75	202165	51.107	ug/l	99
37) Ethyl Acetate	7.10	43	102627	51.642	ug/l	99
38) Carbon Tetrachloride	7.92	117	232652	51.145	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	268004	51.937	ug/l	99
40) Benzene	8.18	78	581915	50.897	ug/l	99
41) Methacrylonitrile	7.35	41	58313m	47.627	ug/l	
42) 1,2-Dichloroethane	8.26	62	168019	50.589	ug/l	100
43) Isopropyl Acetate	8.29	43	196854	52.962	ug/l	100
44) Trichloroethene	8.96	130	182029	50.917	ug/l	95
45) 1,2-Dichloropropane	9.23	63	135314	51.352	ug/l	98
46) Dibromomethane	9.32	93	79912	51.835	ug/l	99
47) Bromodichloromethane	9.51	83	197313	51.179	ug/l	97
48) Methyl methacrylate	9.30	41	91575	53.969	ug/l	98
49) 1,4-Dioxane	9.31	88	19255	980.032	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	517167	267.879	ug/l	100
52) Toluene	10.25	92	372604	50.628	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	212652	52.522	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	239265	51.631	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	116935	51.299	ug/l	97
56) Ethyl methacrylate	10.52	69	163022	52.341	ug/l	99
57) 1,3-Dichloropropane	10.80	76	197500	51.320	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	368030	244.349	ug/l	99
59) 2-Hexanone	10.85	43	367890	273.382	ug/l	99
60) Dibromochloromethane	11.00	129	154708	51.797	ug/l	100
61) 1,2-Dibromoethane	11.10	107	115061	50.904	ug/l	100
64) Tetrachloroethene	10.73	164	193862	51.387	ug/l	99
65) Chlorobenzene	11.53	112	413376	52.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	157298	52.827	ug/l	99
67) Ethyl Benzene	11.60	91	737545	52.149	ug/l	99
68) m/p-Xylenes	11.71	106	563975	103.585	ug/l	99
69) o-Xylene	12.04	106	266886	52.933	ug/l	100
70) Styrene	12.05	104	463783	52.828	ug/l	99
71) Bromoform	12.22	173	100749	53.711	ug/l #	99
73) Isopropylbenzene	12.34	105	713651	51.026	ug/l	99
74) N-amyl acetate	12.15	43	179353	54.116	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.60	83	117176	54.550	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	89823m	50.659	ug/l	
77) Bromobenzene	12.62	156	182305	51.972	ug/l	100
78) n-propylbenzene	12.68	91	848896	52.275	ug/l	100
79) 2-Chlorotoluene	12.77	91	460147	51.784	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	613919	51.718	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	52062	54.334	ug/l #	77
82) 4-Chlorotoluene	12.86	91	478665	52.120	ug/l	100
83) tert-Butylbenzene	13.08	119	541500	52.531	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	613067	53.831	ug/l	99
85) sec-Butylbenzene	13.27	105	667267	48.343	ug/l	99
86) p-Isopropyltoluene	13.38	119	696258	52.895	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	337752	52.060	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	336520	52.164	ug/l	99
89) n-Butylbenzene	13.70	91	629895	51.873	ug/l	100
90) Hexachloroethane	13.97	117	123492	51.905	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	305838	54.740	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	22597	52.988	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	228478	51.814	ug/l	99
94) Hexachlorobutadiene	15.13	225	135546	50.933	ug/l	100
95) Naphthalene	15.25	128	438578	53.627	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	197616	52.835	ug/l	99

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

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