

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002125.D
 Acq On : 31 Mar 2020 12:16
 Operator : SY/MD
 Sample : VY0331SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2020 7:29:27 PM

Quant Time: Mar 31 18:22:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	163878	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	298815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	271209	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	123484	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	86843	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	7.75	113	82776	49.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	10.20	98	343821	49.43	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.50	95	119085	48.95	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.92	85	33183	28.159	ug/l	98
3) Chloromethane	2.13	50	43379	22.651	ug/l	97
4) Vinyl Chloride	2.27	62	43239	22.199	ug/l	99
5) Bromomethane	2.66	94	28482	22.407	ug/l	97
6) Chloroethane	2.82	64	27023	21.607	ug/l	95
7) Trichlorofluoromethane	3.15	101	59801	22.405	ug/l	97
8) Diethyl Ether	3.56	74	23194	20.516	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	38116	21.766	ug/l	100
10) Methyl Iodide	4.13	142	42360	20.343	ug/l	99
11) Tert butyl alcohol	4.97	59	32050m	150.125	ug/l	
12) 1,1-Dichloroethene	3.91	96	38438	21.616	ug/l	94
13) Acrolein	3.76	56	22644	84.863	ug/l	98
14) Allyl chloride	4.52	41	67693	20.795	ug/l	99
15) Acrylonitrile	5.21	53	59209	99.923	ug/l	100
16) Acetone	3.98	43	48272	94.842	ug/l	99
17) Carbon Disulfide	4.22	76	126860	21.497	ug/l	99
18) Methyl Acetate	4.51	43	26676	20.184	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	101386	20.438	ug/l	100
20) Methylene Chloride	4.75	84	45356	18.273	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	43027	21.251	ug/l	98
22) Diisopropyl ether	6.16	45	138911	20.851	ug/l	98
23) Vinyl Acetate	6.10	43	442861	101.377	ug/l	99
24) 1,1-Dichloroethane	6.05	63	75296	21.257	ug/l	98
25) 2-Butanone	7.02	43	78125	99.964	ug/l	96
26) 2,2-Dichloropropane	7.02	77	63295	21.697	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	46889	21.051	ug/l	97
28) Bromochloromethane	7.36	49	31198	19.293	ug/l	98
29) Tetrahydrofuran	7.38	42	49657	96.910	ug/l	99
30) Chloroform	7.54	83	69782	20.784	ug/l	100
31) Cyclohexane	7.82	56	79135	20.967	ug/l	92
32) 1,1,1-Trichloroethane	7.74	97	59121	21.091	ug/l	99
36) 1,1-Dichloropropene	7.95	75	59281	20.974	ug/l	99
37) Ethyl Acetate	7.11	43	33261	19.474	ug/l	99
38) Carbon Tetrachloride	7.93	117	51831	21.615	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	78971	21.301	ug/l	97
40) Benzene	8.19	78	177329	21.181	ug/l	97
41) Methacrylonitrile	7.35	41	16319m	18.889	ug/l	
42) 1,2-Dichloroethane	8.26	62	46200	20.785	ug/l	100
43) Isopropyl Acetate	8.30	43	63487	20.027	ug/l	99
44) Trichloroethene	8.96	130	43420	21.515	ug/l	98
45) 1,2-Dichloropropane	9.24	63	45856	21.511	ug/l	99
46) Dibromomethane	9.33	93	22308	20.377	ug/l	97
47) Bromodichloromethane	9.52	83	53968	21.176	ug/l	99
48) Methyl methacrylate	9.32	41	29128	20.504	ug/l	96
49) 1,4-Dioxane	9.32	88	5977	397.863	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	168723	103.362	ug/l	100
52) Toluene	10.26	92	107360	21.202	ug/l	98
53) t-1,3-Dichloropropene	10.49	75	57998	20.503	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	69527	20.876	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	32506	20.062	ug/l	94
56) Ethyl methacrylate	10.53	69	46894	19.815	ug/l	99
57) 1,3-Dichloropropane	10.81	76	59442	20.764	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	119473	98.248	ug/l	100
59) 2-Hexanone	10.85	43	110709	96.281	ug/l	100
60) Dibromochloromethane	11.00	129	35366	20.859	ug/l	100
61) 1,2-Dibromoethane	11.11	107	30381	20.033	ug/l	99
64) Tetrachloroethene	10.74	164	35136	21.175	ug/l	96
65) Chlorobenzene	11.53	112	109299	20.878	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.61	131	37686	21.517	ug/l	99
67) Ethyl Benzene	11.61	91	205999	21.186	ug/l	100
68) m/p-Xylenes	11.72	106	151563	42.159	ug/l	100
69) o-Xylene	12.05	106	72340	21.212	ug/l	98
70) Styrene	12.06	104	122681	20.760	ug/l	99
71) Bromoform	12.22	173	19623	20.456	ug/l #	99
73) Isopropylbenzene	12.35	105	192035	20.964	ug/l	100
74) N-amyl acetate	12.16	43	56172	19.443	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	40791	20.694	ug/l	97
76) 1,2,3-Trichloropropane	12.65	75	25894m	18.746	ug/l	
77) Bromobenzene	12.63	156	41359	21.151	ug/l	98
78) n-propylbenzene	12.69	91	240179	21.129	ug/l	99
79) 2-Chlorotoluene	12.77	91	131934	21.139	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	160787	21.275	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14539	20.392	ug/l	98
82) 4-Chlorotoluene	12.87	91	138593	21.072	ug/l	99
83) tert-Butylbenzene	13.09	119	133196	21.114	ug/l	98
84) 1,2,4-Trimethylbenzene	13.14	105	160898	21.338	ug/l	99
85) sec-Butylbenzene	13.27	105	197487	21.136	ug/l	99
86) p-Isopropyltoluene	13.38	119	173748	21.654	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	82274	21.507	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	82409	21.408	ug/l	99
89) n-Butylbenzene	13.71	91	177269	21.204	ug/l	100
90) Hexachloroethane	13.98	117	32221	21.311	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	74597	21.116	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.38	75	6209	19.665	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	47659	20.931	ug/l	99
94) Hexachlorobutadiene	15.13	225	23117	20.568	ug/l	97
95) Naphthalene	15.25	128	106453	19.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	42393	20.531	ug/l	99

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

