

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
 Data File : VY002154.D
 Acq On : 01 Apr 2020 11:59
 Operator : SY/MD
 Sample : VY0401SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:12:58 AM

Quant Time: Apr 02 06:40:02 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	7.80	168	160478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	291120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	260056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	120135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	83390	47.01	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.02%	
35) Dibromofluoromethane	7.74	113	76848	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
50) Toluene-d8	10.19	98	318767	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
62) 4-Bromofluorobenzene	12.49	95	111606	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	32320	27.959	ug/l	99
3) Chloromethane	2.12	50	40767	21.738	ug/l	97
4) Vinyl Chloride	2.26	62	42137	22.092	ug/l	95
5) Bromomethane	2.65	94	28539	22.928	ug/l	98
6) Chloroethane	2.80	64	27037	22.076	ug/l	94
7) Trichlorofluoromethane	3.14	101	57733	22.088	ug/l	98
8) Diethyl Ether	3.54	74	22470	20.297	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	36894	21.514	ug/l	100
10) Methyl Iodide	4.10	142	39027	19.139	ug/l	100
11) Tert butyl alcohol	4.97	59	32992	157.811	ug/l #	92
12) 1,1-Dichloroethene	3.88	96	36958	21.224	ug/l	94
13) Acrolein	3.74	56	22432	85.850	ug/l	97
14) Allyl chloride	4.49	41	64872	20.350	ug/l	99
15) Acrylonitrile	5.18	53	60219	103.781	ug/l	99
16) Acetone	3.96	43	50985	102.294	ug/l	96
17) Carbon Disulfide	4.21	76	121276	20.986	ug/l	99
18) Methyl Acetate	4.49	43	27592	21.319	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	100072	20.601	ug/l	96
20) Methylene Chloride	4.73	84	43983	18.040	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	40452	20.403	ug/l	95
22) Diisopropyl ether	6.14	45	132600	20.326	ug/l	95
23) Vinyl Acetate	6.08	43	437091	102.176	ug/l	99
24) 1,1-Dichloroethane	6.04	63	71945	20.742	ug/l	99
25) 2-Butanone	7.00	43	77476	101.234	ug/l	100
26) 2,2-Dichloropropane	6.99	77	60535	21.190	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	44790	20.535	ug/l	97
28) Bromochloromethane	7.35	49	30222	19.085	ug/l	97
29) Tetrahydrofuran	7.36	42	51315	102.268	ug/l	99
30) Chloroform	7.52	83	66993	20.376	ug/l	100
31) Cyclohexane	7.80	56	77636	21.005	ug/l	94
32) 1,1,1-Trichloroethane	7.72	97	57036	20.778	ug/l	99
36) 1,1-Dichloropropene	7.93	75	57685	20.949	ug/l	99
37) Ethyl Acetate	7.09	43	34372	20.656	ug/l	99
38) Carbon Tetrachloride	7.91	117	48394	20.715	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	75395	20.874	ug/l	98
40) Benzene	8.18	78	169341	20.762	ug/l	99
41) Methacrylonitrile	7.32	41	16666m	19.800	ug/l	
42) 1,2-Dichloroethane	8.25	62	44468	20.535	ug/l	99
43) Isopropyl Acetate	8.28	43	62272	20.163	ug/l	99
44) Trichloroethene	8.95	130	40509	20.603	ug/l	98
45) 1,2-Dichloropropane	9.23	63	42574	20.500	ug/l	97
46) Dibromomethane	9.32	93	21986	20.614	ug/l	98
47) Bromodichloromethane	9.50	83	51673	20.811	ug/l	97
48) Methyl methacrylate	9.30	41	27666	19.989	ug/l	100
49) 1,4-Dioxane	9.31	88	5930	405.168	ug/l #	93
51) 4-Methyl-2-Pentanone	10.08	43	171797	108.027	ug/l	99
52) Toluene	10.25	92	101745	20.624	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	56159	20.378	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	65784	20.275	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	32339	20.486	ug/l	99
56) Ethyl methacrylate	10.52	69	46477	20.158	ug/l	99
57) 1,3-Dichloropropane	10.80	76	56886	20.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	120996	102.131	ug/l	100
59) 2-Hexanone	10.84	43	115072	102.721	ug/l	99
60) Dibromochloromethane	10.99	129	33272	20.142	ug/l	95
61) 1,2-Dibromoethane	11.10	107	29938	20.262	ug/l	98
64) Tetrachloroethene	10.72	164	34340	21.583	ug/l	97
65) Chlorobenzene	11.52	112	103376	20.593	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	35440	21.102	ug/l	99
67) Ethyl Benzene	11.60	91	196323	21.057	ug/l	98
68) m/p-Xylenes	11.70	106	146988	42.640	ug/l	99
69) o-Xylene	12.03	106	69599	21.284	ug/l	96
70) Styrene	12.05	104	118577	20.927	ug/l	99
71) Bromoform	12.22	173	19509	21.209	ug/l #	99
73) Isopropylbenzene	12.33	105	184557	20.710	ug/l	100
74) N-amyl acetate	12.15	43	55602	19.782	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	40079	20.900	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	28753m	21.396	ug/l	
77) Bromobenzene	12.61	156	39039	20.521	ug/l	98
78) n-propylbenzene	12.68	91	231072	20.894	ug/l	100
79) 2-Chlorotoluene	12.77	91	124282	20.468	ug/l	97
80) 1,3,5-Trimethylbenzene	12.82	105	152900	20.796	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	14339	20.672	ug/l	95
82) 4-Chlorotoluene	12.86	91	133338	20.839	ug/l	99
83) tert-Butylbenzene	13.08	119	129628	21.122	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	155374	21.180	ug/l	99
85) sec-Butylbenzene	13.26	105	192491	21.176	ug/l	100
86) p-Isopropyltoluene	13.38	119	167121	21.409	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	77252	20.758	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	79324	21.181	ug/l	100
89) n-Butylbenzene	13.70	91	170967	21.020	ug/l	100
90) Hexachloroethane	13.97	117	30027	20.414	ug/l	95
91) 1,2-Dichlorobenzene	13.75	146	72363	21.055	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6241	20.317	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	45832	20.690	ug/l	99
94) Hexachlorobutadiene	15.12	225	22340	20.430	ug/l	98
95) Naphthalene	15.25	128	104791	19.917	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	40029	19.927	ug/l	99

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

