

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062520\
 Data File : VY002992.D
 Acq On : 25 Jun 2020 11:48
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 6/26/2020 11:22:12 AM

Quant Time: Jun 25 18:44:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062520S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 25 12:59:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	529257	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	695145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	625686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	326345	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	44114	10.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.64%	
35) Dibromofluoromethane	7.72	113	41269	10.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.54%	
50) Toluene-d8	10.18	98	165509	10.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.90%	
62) 4-Bromofluorobenzene	12.48	95	58475	10.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.18%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.91	85	29820	8.963	ug/l 100
3) Chloromethane	2.12	50	44061	11.312	ug/l 97
4) Vinyl Chloride	2.26	62	44141	10.664	ug/l 95
5) Bromomethane	2.65	94	30694	10.080	ug/l 97
6) Chloroethane	2.80	64	28111	10.538	ug/l 98
7) Trichlorofluoromethane	3.13	101	81057	10.755	ug/l 93
8) Diethyl Ether	3.53	74	24745	9.415	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	42820	9.610	ug/l 98
10) Methyl Iodide	4.10	142	59650	9.790	ug/l 99
11) Tert butyl alcohol	4.97	59	24465	46.602	ug/l # 84
12) 1,1-Dichloroethene	3.88	96	43451	9.884	ug/l 94
13) Acrolein	3.74	56	23534	53.830	ug/l 98
14) Allyl chloride	4.49	41	67647	10.457	ug/l 99
15) Acrylonitrile	5.18	53	57465	45.731	ug/l 98
16) Acetone	3.96	43	49252	46.313	ug/l 96
17) Carbon Disulfide	4.20	76	130263	10.039	ug/l 100
18) Methyl Acetate	4.49	43	25125	7.959	ug/l 99
19) Methyl tert-butyl Ether	5.22	73	121644	10.160	ug/l 96
20) Methylene Chloride	4.72	84	65854	9.512	ug/l 97
21) trans-1,2-Dichloroethene	5.23	96	47311	9.774	ug/l 96
22) Diisopropyl ether	6.13	45	137870	10.613	ug/l 98
23) Vinyl Acetate	6.07	43	458229	54.381	ug/l 99
24) 1,1-Dichloroethane	6.02	63	77821	10.163	ug/l 96
25) 2-Butanone	6.99	43	77316	48.619	ug/l 95
26) 2,2-Dichloropropane	6.99	77	81669	11.255	ug/l 100
27) cis-1,2-Dichloroethene	6.99	96	53748	9.969	ug/l 98
28) Bromochloromethane	7.34	49	29401	9.313	ug/l 98
29) Tetrahydrofuran	7.36	42	50769	49.163	ug/l 98
30) Chloroform	7.52	83	83598	10.415	ug/l 100
31) Cyclohexane	7.79	56	76631	10.345	ug/l # 92
32) 1,1,1-Trichloroethane	7.71	97	81152	10.896	ug/l 99
36) 1,1-Dichloropropene	7.92	75	66913	11.398	ug/l 99
37) Ethyl Acetate	7.08	43	37234	11.355	ug/l 96
38) Carbon Tetrachloride	7.91	117	76075	11.465	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	78761	10.537	ug/l	98
40) Benzene	8.17	78	180602	10.743	ug/l	98
41) Methacrylonitrile	7.33	41	24182m	15.172	ug/l	
42) 1,2-Dichloroethane	8.25	62	57499	11.944	ug/l	97
43) Isopropyl Acetate	8.28	43	65726	11.144	ug/l	99
44) Trichloroethene	8.94	130	58658	11.151	ug/l	99
45) 1,2-Dichloropropane	9.22	63	43848	10.876	ug/l	93
46) Dibromomethane	9.31	93	25619	10.589	ug/l	98
47) Bromodichloromethane	9.50	83	66315	11.607	ug/l	100
48) Methyl methacrylate	9.29	41	30898	11.592	ug/l	97
49) 1,4-Dioxane	9.30	88	6121	178.257	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	167673	51.765	ug/l	99
52) Toluene	10.24	92	124862	11.104	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	67468	10.508	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	76088	10.549	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	37779	10.253	ug/l	97
56) Ethyl methacrylate	10.51	69	50264	10.004	ug/l	95
57) 1,3-Dichloropropane	10.79	76	63808	10.269	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	108283	44.373	ug/l	99
59) 2-Hexanone	10.83	43	113390	50.170	ug/l	99
60) Dibromochloromethane	10.99	129	48910	10.223	ug/l	99
61) 1,2-Dibromoethane	11.09	107	37063	10.134	ug/l	95
64) Tetrachloroethene	10.72	164	61478	11.604	ug/l	98
65) Chlorobenzene	11.52	112	130548	10.940	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.59	131	53474	11.759	ug/l	98
67) Ethyl Benzene	11.59	91	231151	11.239	ug/l	98
68) m/p-Xylenes	11.70	106	178493	22.388	ug/l	100
69) o-Xylene	12.03	106	86229	11.471	ug/l	99
70) Styrene	12.04	104	146623	11.292	ug/l	99
71) Bromoform	12.20	173	36106	11.699	ug/l	# 98
73) Isopropylbenzene	12.33	105	236149	11.884	ug/l	100
74) N-amyl acetate	12.14	43	63433	12.168	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	40001	10.864	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	32358m	11.459	ug/l	
77) Bromobenzene	12.61	156	63971	12.133	ug/l	99
78) n-propylbenzene	12.67	91	273016	11.849	ug/l	99
79) 2-Chlorotoluene	12.75	91	155373	12.027	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	201760	12.092	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	16032	10.990	ug/l	97
82) 4-Chlorotoluene	12.85	91	164528	12.107	ug/l	100
83) tert-Butylbenzene	13.08	119	180535	12.018	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	209643	12.493	ug/l	99
85) sec-Butylbenzene	13.25	105	241678	12.010	ug/l	100
86) p-Isopropyltoluene	13.37	119	208510	10.993	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	111064	11.267	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	105674	10.643	ug/l	96
89) n-Butylbenzene	13.69	91	176108	10.234	ug/l	99
90) Hexachloroethane	13.96	117	37199	10.564	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	94374	10.474	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6929	10.228	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	77505	11.614	ug/l	99
94) Hexachlorobutadiene	15.11	225	54429	13.655	ug/l	99
95) Naphthalene	15.23	128	125236	9.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	66939	11.187	ug/l	97

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

