

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051120\
 Data File : VY002654.D
 Acq On : 11 May 2020 11:38
 Operator : SY/MD
 Sample : VY0511SBSD01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/12/2020 12:10:05 PM

Quant Time: May 11 17:16:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	392166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	578616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	513450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	264440	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	153388	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	7.74	113	172385	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.19	98	677704	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.49	95	229039	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	45524	15.332	ug/l	97
3) Chloromethane	2.12	50	56458	17.769	ug/l	99
4) Vinyl Chloride	2.26	62	65147	17.757	ug/l	99
5) Bromomethane	2.65	94	46491	18.376	ug/l	95
6) Chloroethane	2.80	64	40745	18.600	ug/l	93
7) Trichlorofluoromethane	3.14	101	109328	19.227	ug/l	98
8) Diethyl Ether	3.55	74	36409	19.054	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	69378	19.964	ug/l	98
10) Methyl Iodide	4.11	142	88484	18.689	ug/l	99
11) Tert butyl alcohol	4.98	59	30189	88.988	ug/l #	87
12) 1,1-Dichloroethene	3.90	96	67094	19.874	ug/l	96
13) Acrolein	3.75	56	15670	66.797	ug/l	98
14) Allyl chloride	4.50	41	99954	20.321	ug/l	98
15) Acrylonitrile	5.20	53	81817	90.798	ug/l	99
16) Acetone	3.97	43	56670	83.276	ug/l	96
17) Carbon Disulfide	4.22	76	177949	17.521	ug/l	99
18) Methyl Acetate	4.50	43	40589	17.851	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	168948	19.182	ug/l	97
20) Methylene Chloride	4.74	84	73969	19.437	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	74112	20.085	ug/l	98
22) Diisopropyl ether	6.15	45	205988	20.697	ug/l	95
23) Vinyl Acetate	6.09	43	593027	94.745	ug/l	100
24) 1,1-Dichloroethane	6.05	63	122358	20.781	ug/l	98
25) 2-Butanone	7.02	43	96720	86.826	ug/l	99
26) 2,2-Dichloropropane	7.01	77	114507	20.460	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	83467	20.444	ug/l	100
28) Bromochloromethane	7.36	49	48739	20.203	ug/l	99
29) Tetrahydrofuran	7.37	42	65965	89.503	ug/l	99
30) Chloroform	7.53	83	123905	20.239	ug/l	97
31) Cyclohexane	7.81	56	113448	19.142	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	115251	20.254	ug/l	100
36) 1,1-Dichloropropene	7.94	75	97428	20.086	ug/l	99
37) Ethyl Acetate	7.10	43	44320	17.781	ug/l	99
38) Carbon Tetrachloride	7.92	117	105753	19.970	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	127546	19.908	ug/l	99
40) Benzene	8.18	78	287597	20.529	ug/l	99
41) Methacrylonitrile	7.34	41	23294m	17.381	ug/l	
42) 1,2-Dichloroethane	8.25	62	74600	18.984	ug/l	99
43) Isopropyl Acetate	8.29	43	87682	18.764	ug/l	100
44) Trichloroethene	8.96	130	91733	20.952	ug/l	97
45) 1,2-Dichloropropane	9.23	63	69539	20.567	ug/l	100
46) Dibromomethane	9.32	93	37273	19.160	ug/l	98
47) Bromodichloromethane	9.51	83	94925	20.068	ug/l	99
48) Methyl methacrylate	9.31	41	38758	18.327	ug/l	99
49) 1,4-Dioxane	9.31	88	10334	401.206	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	227359	94.395	ug/l	99
52) Toluene	10.25	92	183381	20.368	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	97775	19.728	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	114227	19.937	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	55747	19.651	ug/l	98
56) Ethyl methacrylate	10.52	69	72523	19.217	ug/l	97
57) 1,3-Dichloropropane	10.80	76	93888	19.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	196368	98.667	ug/l	100
59) 2-Hexanone	10.84	43	151333	91.287	ug/l	100
60) Dibromochloromethane	11.00	129	71598	19.843	ug/l	99
61) 1,2-Dibromoethane	11.10	107	53872	19.178	ug/l	98
64) Tetrachloroethene	10.73	164	103516	22.691	ug/l	98
65) Chlorobenzene	11.52	112	204401	20.941	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	75379	20.805	ug/l	98
67) Ethyl Benzene	11.60	91	360966	21.053	ug/l	100
68) m/p-Xylenes	11.71	106	280302	42.253	ug/l	100
69) o-Xylene	12.03	106	132012	21.253	ug/l	98
70) Styrene	12.05	104	224348	21.128	ug/l	99
71) Bromoform	12.22	173	44887	19.960	ug/l #	99
73) Isopropylbenzene	12.34	105	363271	21.196	ug/l	99
74) N-amyl acetate	12.15	43	80556	19.540	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	48730	17.879	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	45171m	19.222	ug/l	
77) Bromobenzene	12.61	156	89555	20.915	ug/l	99
78) n-propylbenzene	12.68	91	422128	21.225	ug/l	100
79) 2-Chlorotoluene	12.77	91	231726	21.034	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	302361	21.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	21863	18.655	ug/l	97
82) 4-Chlorotoluene	12.86	91	242604	20.964	ug/l	99
83) tert-Butylbenzene	13.08	119	270849	21.744	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	302635	21.375	ug/l	99
85) sec-Butylbenzene	13.26	105	372957	21.577	ug/l	99
86) p-Isopropyltoluene	13.38	119	347197	21.438	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	170254	21.009	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	168430	20.989	ug/l	99
89) n-Butylbenzene	13.70	91	317649	21.545	ug/l	100
90) Hexachloroethane	13.97	117	63122	21.402	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	151888	21.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	9677	19.046	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	111340	21.208	ug/l	100
94) Hexachlorobutadiene	15.12	225	70234	22.287	ug/l	98
95) Naphthalene	15.25	128	187253	19.552	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	92432	20.739	ug/l	99

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

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