

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001640.D
 Acq On : 17 Feb 2020 11:50
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 10:50:10 AM

Quant Time: Feb 17 12:17:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:01:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	203299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	369968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	331206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	148126	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	336910	154.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.14%	
35) Dibromofluoromethane	7.74	113	312991	147.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.42%	
50) Toluene-d8	10.19	98	1297991	156.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.70%	
62) 4-Bromofluorobenzene	12.49	95	468191	145.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	305967	154.396	ug/l	100
3) Chloromethane	2.12	50	367883	138.019	ug/l	100
4) Vinyl Chloride	2.26	62	382251	142.181	ug/l	100
5) Bromomethane	2.63	94	196762	117.102	ug/l	100
6) Chloroethane	2.79	64	230246	138.980	ug/l	100
7) Trichlorofluoromethane	3.13	101	484766	140.885	ug/l	100
8) Diethyl Ether	3.54	74	189840	139.952	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	309450	143.083	ug/l	100
10) Methyl Iodide	4.11	142	398424	150.525	ug/l	100
11) Tert butyl alcohol	4.99	59	175264	577.598	ug/l	100
12) 1,1-Dichloroethene	3.88	96	312117	141.497	ug/l	100
13) Acrolein	3.75	56	161902	733.074	ug/l	100
14) Allyl chloride	4.50	41	570860	145.414	ug/l	100
15) Acrylonitrile	5.19	53	516446	742.781	ug/l	100
16) Acetone	3.97	43	597980	790.300	ug/l	100
17) Carbon Disulfide	4.21	76	1076316	146.153	ug/l	100
18) Methyl Acetate	4.50	43	235461	142.895	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	893355	145.463	ug/l	100
20) Methylene Chloride	4.74	84	350952	130.581	ug/l	100
21) trans-1,2-Dichloroethene	5.24	96	364462	144.817	ug/l	100
22) Diisopropyl ether	6.14	45	1161257	144.041	ug/l	100
23) Vinyl Acetate	6.09	43	3853899	732.852	ug/l	100
24) 1,1-Dichloroethane	6.05	63	621450	144.224	ug/l	100
25) 2-Butanone	7.01	43	783194	761.952	ug/l	100
26) 2,2-Dichloropropane	7.01	77	522386	139.345	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	392345	141.235	ug/l	100
28) Bromochloromethane	7.36	49	281496	156.827	ug/l	100
29) Tetrahydrofuran	7.37	42	458503	738.009	ug/l	100
30) Chloroform	7.53	83	593158	140.883	ug/l	100
31) Cyclohexane	7.80	56	630867	137.318	ug/l	100
32) 1,1,1-Trichloroethane	7.72	97	510540	144.277	ug/l	100
36) 1,1-Dichloropropene	7.94	75	491482	139.076	ug/l	100
37) Ethyl Acetate	7.10	43	299304	141.903	ug/l	100
38) Carbon Tetrachloride	7.92	117	431649	139.061	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	653971	139.489	ug/l	100
40) Benzene	8.18	78	1444126	138.946	ug/l	100
41) Methacrylonitrile	7.35	41	160829m	56.292	ug/l	
42) 1,2-Dichloroethane	8.26	62	389600	137.595	ug/l	100
43) Isopropyl Acetate	8.29	43	576825	144.136	ug/l	100
44) Trichloroethene	8.96	130	356564	137.429	ug/l	100
45) 1,2-Dichloropropane	9.23	63	366943	140.973	ug/l	100
46) Dibromomethane	9.32	93	192729	141.564	ug/l	100
47) Bromodichloromethane	9.51	83	464301	141.307	ug/l	100
48) Methyl methacrylate	9.31	41	260764	144.075	ug/l	100
49) 1,4-Dioxane	9.31	88	56696	2948.494	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	1463237	711.635	ug/l	100
52) Toluene	10.25	92	905138	139.614	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	523158	144.024	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	594824	142.278	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	284122	141.532	ug/l	100
56) Ethyl methacrylate	10.52	69	447406	148.562	ug/l	100
57) 1,3-Dichloropropane	10.80	76	501673	140.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	796920	633.667	ug/l	100
59) 2-Hexanone	10.85	43	1126715	730.319	ug/l	100
60) Dibromochloromethane	11.00	129	315824	142.696	ug/l	100
61) 1,2-Dibromoethane	11.10	107	276465	145.651	ug/l	100
64) Tetrachloroethene	10.73	164	277862	133.641	ug/l	100
65) Chlorobenzene	11.53	112	913804	138.194	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	302185	135.473	ug/l	100
67) Ethyl Benzene	11.60	91	1677972	136.741	ug/l	100
68) m/p-Xylenes	11.71	106	1241092	270.753	ug/l	100
69) o-Xylene	12.04	106	590315	135.460	ug/l	100
70) Styrene	12.05	104	1049500	138.573	ug/l	100
71) Bromoform	12.22	173	186129	146.013	ug/l	100
73) Isopropylbenzene	12.34	105	1603663	142.111	ug/l	100
74) N-amyl acetate	12.15	43	525383	145.884	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	358584	148.822	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	230215m	73.019	ug/l	
77) Bromobenzene	12.62	156	340923	139.364	ug/l	100
78) n-propylbenzene	12.68	91	1961822	142.745	ug/l	100
79) 2-Chlorotoluene	12.77	91	1100668	142.790	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	1310915	140.338	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	139834	156.126	ug/l	100
82) 4-Chlorotoluene	12.86	91	1167511	143.608	ug/l	100
83) tert-Butylbenzene	13.08	119	1091722	139.739	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	1286381	138.132	ug/l	100
85) sec-Butylbenzene	13.26	105	1600477	139.290	ug/l	100
86) p-Isopropyltoluene	13.38	119	1351491	135.393	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	627378	132.238	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	652025	135.960	ug/l	100
89) n-Butylbenzene	13.70	91	1420835	139.302	ug/l	100
90) Hexachloroethane	13.97	117	271492	144.357	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	600558	137.167	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	59049	148.496	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	392744	135.363	ug/l	100
94) Hexachlorobutadiene	15.12	225	186291	129.105	ug/l	100
95) Naphthalene	15.24	128	969312	144.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	345560	135.377	ug/l	100

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

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