

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001150.D
 Acq On : 10 Jan 2020 15:45
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:39:06 PM

Quant Time: Jan 10 16:03:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 15:56:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	224314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	392970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	345025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	156347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	358119	151.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.78%	
35) Dibromofluoromethane	7.73	113	325114	139.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.36%	
50) Toluene-d8	10.18	98	1327741	149.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.44%	
62) 4-Bromofluorobenzene	12.48	95	505903	137.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	238774	136.529	ug/l	98
3) Chloromethane	2.12	50	321622	126.079	ug/l	100
4) Vinyl Chloride	2.25	62	334147	130.709	ug/l	100
5) Bromomethane	2.64	94	163593	117.324	ug/l	97
6) Chloroethane	2.79	64	179557	120.113	ug/l	99
7) Trichlorofluoromethane	3.13	101	476734	134.561	ug/l	97
8) Diethyl Ether	3.54	74	189527	138.243	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	310895	136.649	ug/l	99
10) Methyl Iodide	4.10	142	429849	138.286	ug/l	100
11) Tert butyl alcohol	4.97	59	153681	627.115	ug/l	100
12) 1,1-Dichloroethene	3.88	96	316192	135.694	ug/l	99
13) Acrolein	3.74	56	146802	672.286	ug/l	100
14) Allyl chloride	4.49	41	553302	141.633	ug/l	99
15) Acrylonitrile	5.18	53	480943	703.357	ug/l	98
16) Acetone	3.96	43	397930	718.099	ug/l	99
17) Carbon Disulfide	4.19	76	1036822	137.806	ug/l	100
18) Methyl Acetate	4.49	43	253286	137.263	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	911041	142.418	ug/l	99
20) Methylene Chloride	4.72	84	349171	108.734	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	360335	136.503	ug/l	99
22) Diisopropyl ether	6.13	45	1146537	144.088	ug/l	96
23) Vinyl Acetate	6.07	43	3536886	690.328	ug/l	100
24) 1,1-Dichloroethane	6.03	63	613376	140.190	ug/l	99
25) 2-Butanone	7.00	43	601606	693.761	ug/l	99
26) 2,2-Dichloropropane	6.99	77	538227	132.638	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	392565	135.576	ug/l	99
28) Bromochloromethane	7.35	49	295424	169.919	ug/l	99
29) Tetrahydrofuran	7.35	42	419691	708.584	ug/l	98
30) Chloroform	7.52	83	597569	139.241	ug/l	99
31) Cyclohexane	7.79	56	608592	129.846	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	521955	136.677	ug/l	100
36) 1,1-Dichloropropene	7.93	75	483575	132.369	ug/l	99
37) Ethyl Acetate	7.08	43	293632	137.798	ug/l	99
38) Carbon Tetrachloride	7.91	117	448518	134.250	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	652064	131.531	ug/l	98
40) Benzene	8.17	78	1417450	133.015	ug/l	99
41) Methacrylonitrile	7.33	41	132879m	131.864	ug/l	
42) 1,2-Dichloroethane	8.24	62	405693	136.498	ug/l	100
43) Isopropyl Acetate	8.28	43	557255	136.571	ug/l	99
44) Trichloroethene	8.94	130	371869	134.087	ug/l	100
45) 1,2-Dichloropropane	9.22	63	354248	134.729	ug/l	99
46) Dibromomethane	9.31	93	193489	134.898	ug/l	99
47) Bromodichloromethane	9.50	83	472096	135.082	ug/l	100
48) Methyl methacrylate	9.30	41	256086	135.454	ug/l	99
49) 1,4-Dioxane	9.30	88	48031	2759.223	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	1404092	677.329	ug/l	100
52) Toluene	10.24	92	913943	134.732	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	537701	137.935	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	598027	135.729	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	282797	132.656	ug/l	99
56) Ethyl methacrylate	10.51	69	448756	138.530	ug/l	98
57) 1,3-Dichloropropane	10.79	76	492968	135.069	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	742563	644.720	ug/l	99
59) 2-Hexanone	10.83	43	999973	690.320	ug/l	100
60) Dibromochloromethane	10.99	129	329918	134.730	ug/l	100
61) 1,2-Dibromoethane	11.09	107	274714	131.854	ug/l	99
64) Tetrachloroethene	10.72	164	327181	146.540	ug/l	98
65) Chlorobenzene	11.52	112	922797	131.031	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	313749	128.955	ug/l	99
67) Ethyl Benzene	11.59	91	1666553	129.072	ug/l	100
68) m/p-Xylenes	11.70	106	1253999	257.338	ug/l	99
69) o-Xylene	12.03	106	601351	128.719	ug/l	99
70) Styrene	12.04	104	1075156	131.590	ug/l	100
71) Bromoform	12.20	173	201532	135.283	ug/l #	99
73) Isopropylbenzene	12.33	105	1617345	135.365	ug/l	100
74) N-amyl acetate	12.14	43	520958	140.528	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	344309	137.262	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	228757m	134.291	ug/l	
77) Bromobenzene	12.61	156	349448	131.835	ug/l	97
78) n-propylbenzene	12.67	91	1926196	133.788	ug/l	100
79) 2-Chlorotoluene	12.75	91	1133620	137.711	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	1328560	132.896	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	143866	144.945	ug/l #	97
82) 4-Chlorotoluene	12.85	91	1202611	136.687	ug/l	99
83) tert-Butylbenzene	13.07	119	1100701	130.709	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	1296267	130.167	ug/l	99
85) sec-Butylbenzene	13.25	105	1583499	130.711	ug/l	100
86) p-Isopropyltoluene	13.36	119	1320497	124.683	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	628795	124.374	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	669708	129.457	ug/l	99
89) n-Butylbenzene	13.69	91	1377041	129.860	ug/l	100
90) Hexachloroethane	13.95	117	271164	132.154	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	619791	133.247	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	61020	134.425	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	391556	126.838	ug/l	98
94) Hexachlorobutadiene	15.11	225	190609	121.867	ug/l	97
95) Naphthalene	15.23	128	961862	135.097	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	353894	130.639	ug/l	99

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

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