

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013260.D
 Acq On : 12 Apr 2023 11:10
 Operator : KP/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

Quant Time: Apr 13 05:42:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:34:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	237582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	368530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	332981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	166019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	30930	10.833	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	21.660%#
35) Dibromofluoromethane	7.716	113	24726	10.364	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.720%#
50) Toluene-d8	10.179	98	92595	10.427	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	20.860%#
62) 4-Bromofluorobenzene	12.483	95	29940	10.376	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	20.760%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	21580	10.092	ug/l	95
3) Chloromethane	2.113	50	28100	10.490	ug/l	99
4) Vinyl Chloride	2.253	62	26161	10.300	ug/l	93
5) Bromomethane	2.656	94	21398	10.987	ug/l	92
6) Chloroethane	2.796	64	17681	10.323	ug/l	89
7) Trichlorofluoromethane	3.125	101	41680	10.544	ug/l	97
8) Diethyl Ether	3.527	74	15358	10.693	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.905	101	23846	10.265	ug/l	96
10) Methyl Iodide	4.088	142	26460	9.286	ug/l	93
11) Tert butyl alcohol	4.936	59	32423	55.583	ug/l #	74
12) 1,1-Dichloroethene	3.875	96	23419	10.475	ug/l	89
13) Acrolein	3.729	56	18759	53.484	ug/l	98
14) Allyl chloride	4.479	41	43305	10.140	ug/l	91
15) Acrylonitrile	5.167	53	44219	53.578	ug/l	99
16) Acetone	3.954	43	51571	52.533	ug/l	99
17) Carbon Disulfide	4.198	76	77636	10.548	ug/l	98
18) Methyl Acetate	4.479	43	34938	11.004	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	68952	10.296	ug/l	91
20) Methylene Chloride	4.716	84	36110	10.556	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	26667	10.449	ug/l	95
22) Diisopropyl ether	6.112	45	88792	10.550	ug/l #	86
23) Vinyl Acetate	6.057	43	273642	51.431	ug/l	96
24) 1,1-Dichloroethane	6.021	63	49914	10.617	ug/l	94
25) 2-Butanone	6.984	43	67960	54.067	ug/l	98
26) 2,2-Dichloropropane	6.984	77	44778	10.616	ug/l	94
27) cis-1,2-Dichloroethene	6.990	96	29144	10.502	ug/l	94
28) Bromochloromethane	7.332	49	20941	11.176	ug/l	91
29) Tetrahydrofuran	7.350	42	40757	53.387	ug/l	97
30) Chloroform	7.508	83	50113	10.533	ug/l	99
31) Cyclohexane	7.783	56	45538	10.548	ug/l #	90
32) 1,1,1-Trichloroethane	7.697	97	44751	10.398	ug/l	97
36) 1,1-Dichloropropene	7.917	75	36955	10.224	ug/l	99
37) Ethyl Acetate	7.069	43	31012	10.644	ug/l	97
38) Carbon Tetrachloride	7.905	117	41239	10.319	ug/l	94
39) Methylcyclohexane	9.185	83	42025	10.002	ug/l	96
40) Benzene	8.161	78	110401	10.554	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.313	41	13477	10.849	ug/l	#	100
42) 1,2-Dichloroethane	8.234	62	37471	10.565	ug/l		98
43) Isopropyl Acetate	8.271	43	51879	10.720	ug/l		96
44) Trichloroethene	8.935	130	27593	10.239	ug/l		94
45) 1,2-Dichloropropane	9.215	63	28598	10.533	ug/l		98
46) Dibromomethane	9.307	93	16980	10.391	ug/l		99
47) Bromodichloromethane	9.496	83	39517	10.578	ug/l		99
48) Methyl methacrylate	9.295	41	21998	9.896	ug/l		97
49) 1,4-Dioxane	9.307	88	4207	190.015	ug/l	#	67
51) 4-Methyl-2-Pentanone	10.069	43	141132	53.587	ug/l		95
52) Toluene	10.246	92	65266	10.332	ug/l		99
53) t-1,3-Dichloropropene	10.465	75	39615	10.126	ug/l		99
54) cis-1,3-Dichloropropene	9.929	75	43681	10.183	ug/l		95
55) 1,1,2-Trichloroethane	10.642	97	22928	10.641	ug/l		98
56) Ethyl methacrylate	10.508	69	29154	9.882	ug/l		94
57) 1,3-Dichloropropane	10.788	76	38662	10.550	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.782	63	64037	51.985	ug/l		98
59) 2-Hexanone	10.831	43	101198	52.845	ug/l		94
60) Dibromochloromethane	10.983	129	27733	10.265	ug/l		99
61) 1,2-Dibromoethane	11.087	107	21575	10.283	ug/l		95
64) Tetrachloroethene	10.715	164	24232	10.315	ug/l		98
65) Chlorobenzene	11.514	112	72563	10.417	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.587	131	26888	10.286	ug/l		98
67) Ethyl Benzene	11.593	91	121283	9.997	ug/l		99
68) m/p-Xylenes	11.703	106	94688	20.399	ug/l		100
69) o-Xylene	12.026	106	42282	9.835	ug/l		99
70) Styrene	12.044	104	72487	9.983	ug/l		98
71) Bromoform	12.209	173	18687	10.319	ug/l	#	99
73) Isopropylbenzene	12.331	105	111781	9.816	ug/l		100
74) N-amyl acetate	12.142	43	40644	10.004	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.581	83	29821	10.600	ug/l		99
76) 1,2,3-Trichloropropane	12.636	75	18713m	9.015	ug/l		
77) Bromobenzene	12.611	156	29125	10.227	ug/l		98
78) n-propylbenzene	12.672	91	139624	9.928	ug/l		99
79) 2-Chlorotoluene	12.758	91	79426	10.033	ug/l		100
80) 1,3,5-Trimethylbenzene	12.812	105	93446	9.797	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.373	75	10425	10.459	ug/l		92
82) 4-Chlorotoluene	12.855	91	84010	10.066	ug/l		100
83) tert-Butylbenzene	13.075	119	78937	9.644	ug/l		99
84) 1,2,4-Trimethylbenzene	13.117	105	91639	9.871	ug/l		98
85) sec-Butylbenzene	13.251	105	123299	10.074	ug/l		98
86) p-Isopropyltoluene	13.367	119	98278	9.785	ug/l		98
87) 1,3-Dichlorobenzene	13.367	146	55905	10.184	ug/l		99
88) 1,4-Dichlorobenzene	13.446	146	56865	10.251	ug/l		95
89) n-Butylbenzene	13.696	91	94573	9.845	ug/l		97
90) Hexachloroethane	13.959	117	20962	10.010	ug/l		97
91) 1,2-Dichlorobenzene	13.739	146	50942	10.198	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5123	10.028	ug/l		91
93) 1,2,4-Trichlorobenzene	15.007	180	28237	9.511	ug/l		97
94) Hexachlorobutadiene	15.111	225	17959	10.216	ug/l		97
95) Naphthalene	15.239	128	57258	10.565	ug/l		98
96) 1,2,3-Trichlorobenzene	15.428	180	25447	9.408	ug/l		97

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

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