

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011623\
 Data File : VY012194.D
 Acq On : 16 Jan 2023 12:17
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

01/17/2023

Supervised By :Mahesh
 Dadoda

01/17/2023

Quant Time: Jan 16 14:01:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 16 13:57:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	200893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	304921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	272553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	10716	4.747	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.500%#		
35) Dibromofluoromethane	7.716	113	8898	4.440	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.880%#		
50) Toluene-d8	10.179	98	37867	4.787	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.580%#		
62) 4-Bromofluorobenzene	12.483	95	12960	4.687	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.380%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	9165	5.096	ug/l	93
3) Chloromethane	2.119	50	9071	5.492	ug/l	99
4) Vinyl Chloride	2.253	62	10104	5.175	ug/l #	87
5) Bromomethane	2.656	94	8600	5.758	ug/l	100
6) Chloroethane	2.796	64	6503	5.027	ug/l	98
7) Trichlorofluoromethane	3.131	101	19104	4.911	ug/l	100
8) Diethyl Ether	3.528	74	5502	4.620	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.906	101	9113	4.550	ug/l	91
10) Methyl Iodide	4.095	142	12934	4.764	ug/l	96
11) Tert butyl alcohol	4.942	59	6948	20.737	ug/l #	83
12) 1,1-Dichloroethene	3.881	96	9448	4.812	ug/l	92
13) Acrolein	3.735	56	2970	20.378	ug/l	98
14) Allyl chloride	4.479	41	11396	4.306	ug/l #	87
15) Acrylonitrile	5.161	53	10828	19.352	ug/l	98
16) Acetone	3.942	43	11134	20.967	ug/l	97
17) Carbon Disulfide	4.198	76	29451	5.320	ug/l	99
18) Methyl Acetate	4.473	43	6181	4.046	ug/l #	84
19) Methyl tert-butyl Ether	5.222	73	23274	4.027	ug/l	95
20) Methylene Chloride	4.723	84	23580	8.529	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	10431	4.801	ug/l	97
22) Diisopropyl ether	6.119	45	22514	4.135	ug/l	96
23) Vinyl Acetate	6.064	43	61979	18.811	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	16146	4.458	ug/l	92
25) 2-Butanone	6.990	43	12535	17.892	ug/l	92
26) 2,2-Dichloropropane	6.978	77	17496	4.478	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	11473	4.624	ug/l	93
28) Bromochloromethane	7.332	49	4295	4.691	ug/l #	70
29) Tetrahydrofuran	7.350	42	6919	16.919	ug/l #	78
30) Chloroform	7.502	83	18879	4.573	ug/l	100
31) Cyclohexane	7.783	56	16974	5.230	ug/l #	73
32) 1,1,1-Trichloroethane	7.698	97	18722	4.669	ug/l	99
36) 1,1-Dichloropropene	7.917	75	14234	4.681	ug/l	99
37) Ethyl Acetate	7.076	43	5288	3.248	ug/l #	94
38) Carbon Tetrachloride	7.899	117	18285	4.738	ug/l	95
39) Methylcyclohexane	9.185	83	16733	4.607	ug/l	94
40) Benzene	8.161	78	41296	4.661	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	3696m	4.174	ug/l	
42) 1,2-Dichloroethane	8.234	62	12309	4.388	ug/l	99
43) Isopropyl Acetate	8.271	43	9694	3.553	ug/l #	93
44) Trichloroethene	8.941	130	12327	4.765	ug/l	93
45) 1,2-Dichloropropane	9.216	63	8132	4.119	ug/l	98
46) Dibromomethane	9.307	93	5345	4.301	ug/l	95
47) Bromodichloromethane	9.496	83	13332	4.219	ug/l	99
48) Methyl methacrylate	9.295	41	4284	3.505	ug/l	86
49) 1,4-Dioxane	9.295	88	1306	75.886	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	25129	17.309	ug/l	97
52) Toluene	10.246	92	26692	4.551	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	13856	4.215	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	15002	4.218	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	7693	4.286	ug/l	91
56) Ethyl methacrylate	10.508	69	8879	3.776	ug/l	94
57) 1,3-Dichloropropane	10.795	76	12399	4.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	16764	19.491	ug/l	91
59) 2-Hexanone	10.831	43	17541	17.207	ug/l	91
60) Dibromochloromethane	10.984	129	9802	4.142	ug/l	100
61) 1,2-Dibromoethane	11.087	107	7090	4.127	ug/l	97
64) Tetrachloroethene	10.721	164	12555	4.702	ug/l	96
65) Chlorobenzene	11.520	112	29902	4.804	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	10495	4.367	ug/l	95
67) Ethyl Benzene	11.593	91	51147	4.597	ug/l	97
68) m/p-Xylenes	11.703	106	39906	9.145	ug/l	99
69) o-Xylene	12.032	106	19253	4.634	ug/l	94
70) Styrene	12.050	104	31073	4.403	ug/l	99
71) Bromoform	12.209	173	6191	4.054	ug/l #	99
73) Isopropylbenzene	12.331	105	50493	4.640	ug/l	100
74) N-amyl acetate	12.148	43	8569	3.815	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	7474	4.083	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	5927m	3.775	ug/l	
77) Bromobenzene	12.611	156	12586	4.850	ug/l	88
78) n-propylbenzene	12.672	91	60181	4.738	ug/l	98
79) 2-Chlorotoluene	12.758	91	33883	4.663	ug/l	96
80) 1,3,5-Trimethylbenzene	12.819	105	44469	4.765	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	2730	3.861	ug/l	90
82) 4-Chlorotoluene	12.861	91	36685	4.827	ug/l	97
83) tert-Butylbenzene	13.075	119	38430	4.700	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	42436	4.594	ug/l	99
85) sec-Butylbenzene	13.258	105	56632	4.818	ug/l	97
86) p-Isopropyltoluene	13.373	119	48543	4.767	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	25260	4.856	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	25962	4.996	ug/l	94
89) n-Butylbenzene	13.703	91	42501	4.817	ug/l	97
90) Hexachloroethane	13.965	117	9164	4.851	ug/l	96
91) 1,2-Dichlorobenzene	13.745	146	22831	4.926	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1417	3.895	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	14422	4.991	ug/l	98
94) Hexachlorobutadiene	15.117	225	9112	5.227	ug/l	99
95) Naphthalene	15.245	128	25109	4.391	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	11970	4.765	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

