

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040723\
 Data File : VY013220.D
 Acq On : 07 Apr 2023 17:22
 Operator : KP/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/10/2023
 Supervised By :Mahesh Dadoda 04/10/2023

Quant Time: Apr 08 02:28:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040723S.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 08 02:16:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	83192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	129697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	117434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	60370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	11638	10.793	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.580%#		
35) Dibromofluoromethane	7.716	113	9584	10.544	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.080%#		
50) Toluene-d8	10.179	98	32338	10.029	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.060%#		
62) 4-Bromofluorobenzene	12.477	95	11049	9.927	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.860%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	9387	11.831	ug/l	95
3) Chloromethane	2.107	50	14642	9.906	ug/l	99
4) Vinyl Chloride	2.247	62	10360	11.015	ug/l	100
5) Bromomethane	2.643	94	6103	10.597	ug/l	96
6) Chloroethane	2.790	64	8522	11.826	ug/l #	85
7) Trichlorofluoromethane	3.125	101	15979	11.120	ug/l	93
8) Diethyl Ether	3.527	74	5744	10.793	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.893	101	9272	10.815	ug/l	97
10) Methyl Iodide	4.082	142	9608	9.933	ug/l	96
11) Tert butyl alcohol	4.948	59	13275	45.826	ug/l #	82
12) 1,1-Dichloroethene	3.863	96	8442	10.818	ug/l	97
13) Acrolein	3.735	56	5281	53.908	ug/l	97
14) Allyl chloride	4.472	41	16621	10.376	ug/l	95
15) Acrylonitrile	5.155	53	16909	50.214	ug/l	97
16) Acetone	3.942	43	20006	51.480	ug/l	96
17) Carbon Disulfide	4.192	76	25745	11.311	ug/l	97
18) Methyl Acetate	4.472	43	13721	10.523	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	25858	9.786	ug/l	99
20) Methylene Chloride	4.710	84	15998	11.217	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	9516	10.342	ug/l	95
22) Diisopropyl ether	6.112	45	33623	10.099	ug/l	91
23) Vinyl Acetate	6.057	43	102868	49.134	ug/l	99
24) 1,1-Dichloroethane	6.009	63	18620	10.492	ug/l	99
25) 2-Butanone	6.984	43	26589	49.916	ug/l	90
26) 2,2-Dichloropropane	6.978	77	17213	10.494	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	11096	10.596	ug/l	96
28) Bromochloromethane	7.332	49	8746	10.670	ug/l	93
29) Tetrahydrofuran	7.344	42	16181	50.500	ug/l	96
30) Chloroform	7.502	83	19042	10.458	ug/l	100
31) Cyclohexane	7.783	56	15736	10.459	ug/l #	77
32) 1,1,1-Trichloroethane	7.697	97	17156	10.600	ug/l	97
36) 1,1-Dichloropropene	7.911	75	13808	10.354	ug/l	99
37) Ethyl Acetate	7.069	43	11674	10.430	ug/l	96
38) Carbon Tetrachloride	7.899	117	16013	10.478	ug/l	99
39) Methylcyclohexane	9.179	83	14663	9.885	ug/l	91
40) Benzene	8.155	78	40852	10.364	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	3972m	9.401	ug/l	
42) 1,2-Dichloroethane	8.234	62	14216	10.373	ug/l	100
43) Isopropyl Acetate	8.270	43	19847	10.099	ug/l	97
44) Trichloroethene	8.935	130	10319	10.182	ug/l	95
45) 1,2-Dichloropropane	9.215	63	10578	10.244	ug/l	95
46) Dibromomethane	9.307	93	6845	10.889	ug/l	95
47) Bromodichloromethane	9.496	83	15166	10.326	ug/l	100
48) Methyl methacrylate	9.289	41	8263	9.588	ug/l #	93
49) 1,4-Dioxane	9.301	88	1532	181.992	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	56194	51.030	ug/l	95
52) Toluene	10.240	92	23916	9.980	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	15395	10.013	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	16727	10.117	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	8812	10.381	ug/l	97
56) Ethyl methacrylate	10.508	69	10555	9.104	ug/l #	88
57) 1,3-Dichloropropane	10.788	76	14811	10.123	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	27342	49.862	ug/l	100
59) 2-Hexanone	10.831	43	40161	50.595	ug/l	94
60) Dibromochloromethane	10.983	129	10777	10.233	ug/l	98
61) 1,2-Dibromoethane	11.087	107	8263	10.073	ug/l	98
64) Tetrachloroethene	10.715	164	9230	10.427	ug/l	97
65) Chlorobenzene	11.514	112	27308	10.214	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.587	131	10662	10.208	ug/l	98
67) Ethyl Benzene	11.593	91	45506	9.883	ug/l	100
68) m/p-Xylenes	11.703	106	34595	19.646	ug/l	99
69) o-Xylene	12.026	106	16028	9.734	ug/l	97
70) Styrene	12.044	104	27436	9.721	ug/l	98
71) Bromoform	12.203	173	7338	10.098	ug/l #	98
73) Isopropylbenzene	12.325	105	43124	9.829	ug/l	99
74) N-amyl acetate	12.142	43	16096	9.926	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	11974	10.707	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	8840m	10.623	ug/l	
77) Bromobenzene	12.605	156	11135	10.134	ug/l	97
78) n-propylbenzene	12.666	91	52704	9.792	ug/l	100
79) 2-Chlorotoluene	12.751	91	30401	9.920	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	35909	9.883	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	4006	10.045	ug/l	88
82) 4-Chlorotoluene	12.855	91	32712	10.234	ug/l	99
83) tert-Butylbenzene	13.075	119	31203	9.748	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	35200	9.921	ug/l	99
85) sec-Butylbenzene	13.251	105	46166	9.803	ug/l	99
86) p-Isopropyltoluene	13.367	119	38511	9.848	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	22282	10.289	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	23813	10.811	ug/l	97
89) n-Butylbenzene	13.696	91	35748	9.646	ug/l	99
90) Hexachloroethane	13.958	117	8551	10.288	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	20759	10.443	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.349	75	2379	11.437	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	12154	10.216	ug/l	99
94) Hexachlorobutadiene	15.111	225	7244	10.157	ug/l	95
95) Naphthalene	15.233	128	25343	9.649	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	11204	10.128	ug/l	98

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

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