

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120922\
 Data File : VY011737.D
 Acq On : 09 Dec 2022 11:15
 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 12/12/2022
 Supervised By :Mahesh Dadoda 12/12/2022

Quant Time: Dec 10 03:07:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 03:06:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	241132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	386449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	344133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	24326	12.422	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	24.840%#		
35) Dibromofluoromethane	7.716	113	22543	11.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	23.140%#		
50) Toluene-d8	10.179	98	84738	12.394	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	24.780%#		
62) 4-Bromofluorobenzene	12.483	95	30456	11.602	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	23.200%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16124	12.249	ug/l	95
3) Chloromethane	2.113	50	17240	11.691	ug/l	96
4) Vinyl Chloride	2.253	62	18946	10.976	ug/l	98
5) Bromomethane	2.650	94	13862	11.638	ug/l	94
6) Chloroethane	2.796	64	13317	11.137	ug/l	98
7) Trichlorofluoromethane	3.131	101	35164	10.608	ug/l	100
8) Diethyl Ether	3.534	74	12084	10.408	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	20426	10.323	ug/l	99
10) Methyl Iodide	4.095	142	23758	10.255	ug/l	99
11) Tert butyl alcohol	4.942	59	19360	65.668	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	18611	10.429	ug/l	93
13) Acrolein	3.729	56	18338	53.947	ug/l	96
14) Allyl chloride	4.485	41	30378	10.248	ug/l	99
15) Acrylonitrile	5.161	53	33350	53.515	ug/l	98
16) Acetone	3.948	43	33592	51.019	ug/l	97
17) Carbon Disulfide	4.198	76	45240	11.101	ug/l	98
18) Methyl Acetate	4.473	43	19052	10.246	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	56151	10.049	ug/l	98
20) Methylene Chloride	4.716	84	36652	12.145	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	21095	10.517	ug/l	99
22) Diisopropyl ether	6.119	45	67641	10.459	ug/l	95
23) Vinyl Acetate	6.064	43	190123	51.529	ug/l	98
24) 1,1-Dichloroethane	6.021	63	41131	10.466	ug/l	99
25) 2-Butanone	6.990	43	44875	52.986	ug/l	99
26) 2,2-Dichloropropane	6.984	77	38721	10.472	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	25447	10.381	ug/l	97
28) Bromochloromethane	7.338	49	14655	10.243	ug/l	99
29) Tetrahydrofuran	7.344	42	25204	52.285	ug/l	99
30) Chloroform	7.509	83	44212	10.523	ug/l	96
31) Cyclohexane	7.783	56	33658	10.686	ug/l #	92
32) 1,1,1-Trichloroethane	7.704	97	38497	10.274	ug/l	99
36) 1,1-Dichloropropene	7.923	75	29846	10.178	ug/l	99
37) Ethyl Acetate	7.076	43	17291	10.085	ug/l	98
38) Carbon Tetrachloride	7.899	117	34646	10.058	ug/l	99
39) Methylcyclohexane	9.185	83	32715	9.915	ug/l	97
40) Benzene	8.161	78	89920	10.264	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	8605m	9.933	ug/l	
42) 1,2-Dichloroethane	8.234	62	27970	10.324	ug/l	99
43) Isopropyl Acetate	8.271	43	32459	10.441	ug/l	98
44) Trichloroethene	8.941	130	25404	10.354	ug/l	95
45) 1,2-Dichloropropane	9.216	63	23365	10.304	ug/l	97
46) Dibromomethane	9.307	93	13387	10.547	ug/l	98
47) Bromodichloromethane	9.496	83	33303	10.156	ug/l	98
48) Methyl methacrylate	9.295	41	13650	9.961	ug/l	98
49) 1,4-Dioxane	9.295	88	3740	212.698	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	87172	50.888	ug/l	98
52) Toluene	10.246	92	56578	10.159	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	33023	10.082	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	37015	10.058	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	19325	10.301	ug/l	99
56) Ethyl methacrylate	10.508	69	24006	9.913	ug/l	99
57) 1,3-Dichloropropane	10.788	76	32825	10.497	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	55053	49.025	ug/l	100
59) 2-Hexanone	10.831	43	61723	50.431	ug/l	98
60) Dibromochloromethane	10.984	129	24125	10.267	ug/l	100
61) 1,2-Dibromoethane	11.087	107	17778	10.460	ug/l	99
64) Tetrachloroethene	10.721	164	24628	10.115	ug/l	97
65) Chlorobenzene	11.514	112	63114	10.179	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	24835	10.324	ug/l	99
67) Ethyl Benzene	11.593	91	108493	9.930	ug/l	99
68) m/p-Xylenes	11.703	106	84039	20.085	ug/l	100
69) o-Xylene	12.032	106	39842	9.990	ug/l	99
70) Styrene	12.044	104	67897	9.975	ug/l	99
71) Bromoform	12.209	173	15192	10.239	ug/l #	99
73) Isopropylbenzene	12.331	105	107708	9.629	ug/l	99
74) N-amyl acetate	12.142	43	26853	9.985	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	22490	10.324	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	14770m	7.177	ug/l	
77) Bromobenzene	12.611	156	26072	9.983	ug/l	97
78) n-propylbenzene	12.672	91	131025	9.775	ug/l	99
79) 2-Chlorotoluene	12.758	91	75749	9.902	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	92560	9.790	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8032	10.435	ug/l	95
82) 4-Chlorotoluene	12.855	91	78717	9.921	ug/l	100
83) tert-Butylbenzene	13.075	119	78336	9.516	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	89542	9.619	ug/l	98
85) sec-Butylbenzene	13.251	105	118374	9.655	ug/l	100
86) p-Isopropyltoluene	13.367	119	98262	9.630	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	52907	10.067	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	52636	10.077	ug/l	96
89) n-Butylbenzene	13.696	91	88731	9.566	ug/l	98
90) Hexachloroethane	13.965	117	19948	9.838	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	47668	10.079	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3928	10.343	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	26140	9.476	ug/l	100
94) Hexachlorobutadiene	15.111	225	17539	10.007	ug/l	98
95) Naphthalene	15.239	128	47996	8.984	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	22149	9.296	ug/l	100

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

