

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120922\
 Data File : VY011738.D
 Acq On : 09 Dec 2022 11:37
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/12/2022
 Supervised By :Mahesh Dadoda 12/12/2022

Quant Time: Dec 10 03:08:33 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	7.789	168	245883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	384523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	170218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	46565	23.319	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.640%#		
35) Dibromofluoromethane	7.716	113	44271	22.829	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	45.660%#		
50) Toluene-d8	10.179	98	171185	25.164	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	50.320%		
62) 4-Bromofluorobenzene	12.483	95	59438	22.756	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	45.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32998	24.584	ug/l	93
3) Chloromethane	2.113	50	33091	22.007	ug/l	97
4) Vinyl Chloride	2.253	62	39415	22.392	ug/l	96
5) Bromomethane	2.644	94	25300	20.831	ug/l	95
6) Chloroethane	2.790	64	26501	21.735	ug/l	97
7) Trichlorofluoromethane	3.125	101	72445	21.433	ug/l	96
8) Diethyl Ether	3.534	74	23765	20.073	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	41661	20.647	ug/l	100
10) Methyl Iodide	4.094	142	49711	21.042	ug/l	100
11) Tert butyl alcohol	4.948	59	29854	99.306	ug/l	95
12) 1,1-Dichloroethene	3.875	96	37815	20.781	ug/l	96
13) Acrolein	3.729	56	34686	100.069	ug/l	97
14) Allyl chloride	4.479	41	61940	20.492	ug/l	99
15) Acrylonitrile	5.161	53	60983	95.966	ug/l	99
16) Acetone	3.948	43	62792	93.525	ug/l	98
17) Carbon Disulfide	4.198	76	91332	21.978	ug/l	100
18) Methyl Acetate	4.485	43	36115	19.047	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	111298	19.534	ug/l	98
20) Methylene Chloride	4.716	84	59776	19.425	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	42662	20.859	ug/l	95
22) Diisopropyl ether	6.118	45	135314	20.518	ug/l	95
23) Vinyl Acetate	6.058	43	378008	100.472	ug/l	99
24) 1,1-Dichloroethane	6.021	63	81685	20.383	ug/l	100
25) 2-Butanone	6.984	43	84565	97.920	ug/l	98
26) 2,2-Dichloropropane	6.984	77	75887	20.127	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	50887	20.357	ug/l	98
28) Bromochloromethane	7.332	49	28973	19.858	ug/l	100
29) Tetrahydrofuran	7.350	42	49004	99.693	ug/l	98
30) Chloroform	7.508	83	86586	20.210	ug/l	97
31) Cyclohexane	7.789	56	65776	20.479	ug/l #	94
32) 1,1,1-Trichloroethane	7.704	97	78814	20.627	ug/l	100
36) 1,1-Dichloropropene	7.917	75	60446	20.715	ug/l	99
37) Ethyl Acetate	7.076	43	32787	19.219	ug/l	99
38) Carbon Tetrachloride	7.905	117	71242	20.785	ug/l	96
39) Methylcyclohexane	9.185	83	69025	21.024	ug/l	98
40) Benzene	8.161	78	181022	20.766	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	16692m	19.364	ug/l	
42) 1,2-Dichloroethane	8.234	62	53833	19.970	ug/l	99
43) Isopropyl Acetate	8.271	43	59964	19.385	ug/l	99
44) Trichloroethene	8.941	130	50140	20.538	ug/l	100
45) 1,2-Dichloropropane	9.215	63	45745	20.276	ug/l	100
46) Dibromomethane	9.307	93	25390	20.104	ug/l	98
47) Bromodichloromethane	9.496	83	64715	19.835	ug/l	99
48) Methyl methacrylate	9.295	41	26185	19.204	ug/l	98
49) 1,4-Dioxane	9.295	88	6823	389.975	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	165583	97.147	ug/l	100
52) Toluene	10.246	92	114901	20.734	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	64757	19.870	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	73942	20.194	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	37595	20.140	ug/l	97
56) Ethyl methacrylate	10.508	69	47703	19.797	ug/l	99
57) 1,3-Dichloropropane	10.788	76	63344	20.358	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	111788	100.047	ug/l	99
59) 2-Hexanone	10.831	43	119212	97.890	ug/l	100
60) Dibromochloromethane	10.983	129	46494	19.887	ug/l	99
61) 1,2-Dibromoethane	11.087	107	34129	20.182	ug/l	97
64) Tetrachloroethene	10.721	164	50862	20.841	ug/l	97
65) Chlorobenzene	11.514	112	126675	20.381	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	47753	19.805	ug/l	97
67) Ethyl Benzene	11.593	91	222675	20.333	ug/l	98
68) m/p-Xylenes	11.703	106	172869	41.218	ug/l	100
69) o-Xylene	12.032	106	81701	20.437	ug/l	97
70) Styrene	12.044	104	139968	20.514	ug/l	100
71) Bromoform	12.209	173	29308	19.706	ug/l #	99
73) Isopropylbenzene	12.331	105	226675	20.554	ug/l	100
74) N-amyl acetate	12.142	43	50892	19.193	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	41787	19.456	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	33786m	16.651	ug/l	
77) Bromobenzene	12.605	156	51727	20.088	ug/l	99
78) n-propylbenzene	12.672	91	270574	20.473	ug/l	99
79) 2-Chlorotoluene	12.758	91	153792	20.389	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	192187	20.617	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	14506	19.114	ug/l	99
82) 4-Chlorotoluene	12.855	91	159122	20.339	ug/l	100
83) tert-Butylbenzene	13.075	119	165187	20.351	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	189976	20.698	ug/l	98
85) sec-Butylbenzene	13.251	105	248145	20.528	ug/l	100
86) p-Isopropyltoluene	13.367	119	204035	20.280	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	105315	20.324	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	103339	20.065	ug/l	98
89) n-Butylbenzene	13.696	91	187730	20.526	ug/l	99
90) Hexachloroethane	13.959	117	41100	20.558	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	93634	20.080	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7259	19.385	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	54128	19.902	ug/l	98
94) Hexachlorobutadiene	15.111	225	34976	20.240	ug/l	99
95) Naphthalene	15.239	128	98792	18.755	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	45510	19.372	ug/l	99

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

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