

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010095.D
 Acq On : 19 Aug 2022 11:11
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/22/2022
 Supervised By :Mahesh Dadoda 08/22/2022

Quant Time: Aug 21 23:44:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Sun Aug 21 23:41:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	269565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	423037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	386434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	197019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	44162	19.793	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.580%#		
35) Dibromofluoromethane	7.710	113	48085	20.171	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.340%#		
50) Toluene-d8	10.179	98	180171	20.060	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	40.120%#		
62) 4-Bromofluorobenzene	12.477	95	63870	20.031	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	40.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	35995	17.755	ug/l	100
3) Chloromethane	2.107	50	43702	19.178	ug/l	96
4) Vinyl Chloride	2.241	62	47263	19.124	ug/l	92
5) Bromomethane	2.637	94	36171	19.064	ug/l	100
6) Chloroethane	2.784	64	30847	19.509	ug/l	97
7) Trichlorofluoromethane	3.113	101	82618	19.684	ug/l	97
8) Diethyl Ether	3.521	74	28180	19.749	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.893	101	51551	19.777	ug/l	99
10) Methyl Iodide	4.076	142	62852	19.932	ug/l	99
11) Tert butyl alcohol	4.954	59	21087	86.609	ug/l	99
12) 1,1-Dichloroethene	3.863	96	48855	19.639	ug/l	96
13) Acrolein	3.716	56	15183	113.488	ug/l	98
14) Allyl chloride	4.466	41	71995	19.670	ug/l	99
15) Acrylonitrile	5.155	53	67269	98.725	ug/l	98
16) Acetone	3.936	43	49065	88.570	ug/l	99
17) Carbon Disulfide	4.180	76	158290	19.952	ug/l	98
18) Methyl Acetate	4.472	43	32463	19.107	ug/l	100
19) Methyl tert-butyl Ether	5.210	73	120213	19.706	ug/l	97
20) Methylene Chloride	4.704	84	77897	17.132	ug/l	96
21) trans-1,2-Dichloroethene	5.210	96	57328	20.323	ug/l	99
22) Diisopropyl ether	6.112	45	158514	20.620	ug/l	98
23) Vinyl Acetate	6.051	43	463680	100.319	ug/l	99
24) 1,1-Dichloroethane	6.009	63	93786	20.107	ug/l	98
25) 2-Butanone	6.978	43	83232	93.479	ug/l	98
26) 2,2-Dichloropropane	6.972	77	79710	19.025	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	61867	19.838	ug/l	99
28) Bromochloromethane	7.325	49	29602	18.780	ug/l	100
29) Tetrahydrofuran	7.344	42	54765	97.199	ug/l	98
30) Chloroform	7.496	83	98638	20.190	ug/l	97
31) Cyclohexane	7.777	56	89280	19.566	ug/l	99
32) 1,1,1-Trichloroethane	7.691	97	85505	20.143	ug/l	100
36) 1,1-Dichloropropene	7.911	75	75207	19.806	ug/l	98
37) Ethyl Acetate	7.069	43	35752	18.641	ug/l	98
38) Carbon Tetrachloride	7.892	117	79125	19.829	ug/l	99
39) Methylcyclohexane	9.179	83	91272	19.639	ug/l	97
40) Benzene	8.155	78	225516	20.148	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	18697m	8.313	ug/l	
42) 1,2-Dichloroethane	8.228	62	58051	20.200	ug/l	100
43) Isopropyl Acetate	8.270	43	67337	19.524	ug/l	100
44) Trichloroethene	8.935	130	63585	19.798	ug/l	99
45) 1,2-Dichloropropane	9.209	63	54167	20.150	ug/l	97
46) Dibromomethane	9.301	93	30931	19.660	ug/l	97
47) Bromodichloromethane	9.490	83	73552	20.075	ug/l	99
48) Methyl methacrylate	9.289	41	29690	19.367	ug/l	97
49) 1,4-Dioxane	9.289	88	6998	389.600	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	181505	97.362	ug/l	99
52) Toluene	10.240	92	143749	20.292	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	74328	20.041	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	87272	20.070	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	45741	20.168	ug/l	99
56) Ethyl methacrylate	10.508	69	54887	19.568	ug/l	99
57) 1,3-Dichloropropane	10.788	76	74256	19.916	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	129236	111.396	ug/l	100
59) 2-Hexanone	10.831	43	121857	95.839	ug/l	100
60) Dibromochloromethane	10.983	129	55095	19.964	ug/l	97
61) 1,2-Dibromoethane	11.087	107	43765	19.871	ug/l	100
64) Tetrachloroethene	10.715	164	62558	20.008	ug/l	98
65) Chlorobenzene	11.514	112	156409	20.107	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	56818	19.800	ug/l	97
67) Ethyl Benzene	11.593	91	267578	19.869	ug/l	100
68) m/p-Xylenes	11.697	106	212885	40.460	ug/l	100
69) o-Xylene	12.026	106	98109	20.136	ug/l	100
70) Styrene	12.044	104	169286	20.358	ug/l	100
71) Bromoform	12.203	173	34881	19.815	ug/l #	100
73) Isopropylbenzene	12.325	105	262313	19.946	ug/l	99
74) N-amyl acetate	12.142	43	59876	19.110	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	51034	19.244	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	36472m	12.022	ug/l	
77) Bromobenzene	12.605	156	63317	19.673	ug/l	100
78) n-propylbenzene	12.672	91	324922	20.078	ug/l	100
79) 2-Chlorotoluene	12.751	91	182124	19.936	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	224827	20.397	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	17429	19.230	ug/l	99
82) 4-Chlorotoluene	12.849	91	189627	19.981	ug/l	99
83) tert-Butylbenzene	13.074	119	189975	19.825	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	223371	20.441	ug/l	99
85) sec-Butylbenzene	13.251	105	290884	19.949	ug/l	100
86) p-Isopropyltoluene	13.367	119	241100	20.110	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	128948	19.839	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	127848	19.566	ug/l	98
89) n-Butylbenzene	13.696	91	224594	19.912	ug/l	99
90) Hexachloroethane	13.958	117	48369	19.557	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	114332	19.790	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7427	18.389	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	65212	19.280	ug/l	99
94) Hexachlorobutadiene	15.111	225	39406	19.399	ug/l	100
95) Naphthalene	15.233	128	119459	18.510	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	56089	19.059	ug/l	98

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

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