

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010094.D
 Acq On : 19 Aug 2022 10:49
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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

Quant Time: Aug 21 23:43:23 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	261317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	416930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	377423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	192546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	20877	9.652	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.300%#		
35) Dibromofluoromethane	7.710	113	22201	9.449	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.900%#		
50) Toluene-d8	10.179	98	83792	9.466	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	18.940%#		
62) 4-Bromofluorobenzene	12.477	95	29933	9.525	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.060%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	18561	9.444	ug/l	99
3) Chloromethane	2.107	50	22630	10.245	ug/l	97
4) Vinyl Chloride	2.241	62	24456	10.208	ug/l	97
5) Bromomethane	2.644	94	19552	10.630	ug/l	97
6) Chloroethane	2.790	64	15775	10.292	ug/l	100
7) Trichlorofluoromethane	3.113	101	41410	10.177	ug/l	100
8) Diethyl Ether	3.522	74	14027	10.141	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.881	101	25876	10.240	ug/l	99
10) Methyl Iodide	4.082	142	28847	9.437	ug/l	97
11) Tert butyl alcohol	4.942	59	10905	46.203	ug/l	97
12) 1,1-Dichloroethene	3.857	96	24516	10.166	ug/l	96
13) Acrolein	3.729	56	7492	57.768	ug/l	99
14) Allyl chloride	4.473	41	36029	10.154	ug/l	98
15) Acrylonitrile	5.155	53	33861	51.263	ug/l	99
16) Acetone	3.942	43	30390	56.590	ug/l	100
17) Carbon Disulfide	4.186	76	80615	10.482	ug/l	99
18) Methyl Acetate	4.473	43	16381	9.946	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	57631	9.745	ug/l	99
20) Methylene Chloride	4.704	84	54025	12.257	ug/l	98
21) trans-1,2-Dichloroethene	5.204	96	28254	10.332	ug/l	96
22) Diisopropyl ether	6.112	45	75574	10.141	ug/l	97
23) Vinyl Acetate	6.052	43	222345	49.623	ug/l	100
24) 1,1-Dichloroethane	6.003	63	46641	10.315	ug/l	99
25) 2-Butanone	6.978	43	43838	50.789	ug/l	96
26) 2,2-Dichloropropane	6.972	77	40163	9.889	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	30766	10.176	ug/l	97
28) Bromochloromethane	7.326	49	14757	9.658	ug/l	100
29) Tetrahydrofuran	7.338	42	26529	48.571	ug/l	99
30) Chloroform	7.496	83	48942	10.334	ug/l	96
31) Cyclohexane	7.777	56	44548	10.071	ug/l #	88
32) 1,1,1-Trichloroethane	7.691	97	42201	10.255	ug/l	98
36) 1,1-Dichloropropene	7.911	75	37648	10.060	ug/l	99
37) Ethyl Acetate	7.070	43	19559	10.347	ug/l	98
38) Carbon Tetrachloride	7.893	117	40026	10.177	ug/l	98
39) Methylcyclohexane	9.179	83	44814	9.784	ug/l	99
40) Benzene	8.155	78	113045	10.248	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	12650m	5.707	ug/l	
42) 1,2-Dichloroethane	8.228	62	29290	10.341	ug/l	100
43) Isopropyl Acetate	8.265	43	33386	9.822	ug/l	99
44) Trichloroethene	8.935	130	32533	10.278	ug/l	97
45) 1,2-Dichloropropane	9.210	63	27154	10.249	ug/l	95
46) Dibromomethane	9.301	93	15640	10.086	ug/l	99
47) Bromodichloromethane	9.490	83	36928	10.226	ug/l	100
48) Methyl methacrylate	9.289	41	13828	9.152	ug/l	93
49) 1,4-Dioxane	9.295	88	3250	183.587	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	90502	49.258	ug/l	100
52) Toluene	10.240	92	70510	10.099	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	36373	9.951	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	43097	10.056	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	22603	10.112	ug/l	96
56) Ethyl methacrylate	10.508	69	26129	9.452	ug/l	100
57) 1,3-Dichloropropane	10.788	76	37203	10.124	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	60355	52.786	ug/l	100
59) 2-Hexanone	10.831	43	61401	48.998	ug/l	97
60) Dibromochloromethane	10.984	129	27525	10.120	ug/l	99
61) 1,2-Dibromoethane	11.087	107	21994	10.132	ug/l	99
64) Tetrachloroethene	10.715	164	31618	10.354	ug/l	100
65) Chlorobenzene	11.514	112	76665	10.091	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	28680	10.233	ug/l	100
67) Ethyl Benzene	11.593	91	132604	10.082	ug/l	100
68) m/p-Xylenes	11.703	106	104069	20.251	ug/l	98
69) o-Xylene	12.026	106	46183	9.705	ug/l	98
70) Styrene	12.044	104	79913	9.840	ug/l	99
71) Bromoform	12.203	173	17071	9.929	ug/l #	100
73) Isopropylbenzene	12.331	105	126308	9.828	ug/l	99
74) N-amyl acetate	12.142	43	29356	9.587	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	25959	10.016	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	18115m	6.110	ug/l	
77) Bromobenzene	12.605	156	31326	9.960	ug/l	98
78) n-propylbenzene	12.666	91	155318	9.821	ug/l	99
79) 2-Chlorotoluene	12.752	91	89009	9.969	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	107071	9.940	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	8469	9.561	ug/l	96
82) 4-Chlorotoluene	12.855	91	93569	10.088	ug/l	100
83) tert-Butylbenzene	13.075	119	92606	9.889	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	104591	9.793	ug/l	99
85) sec-Butylbenzene	13.251	105	141721	9.945	ug/l	100
86) p-Isopropyltoluene	13.367	119	115946	9.896	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	64698	10.185	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	65634	10.278	ug/l	98
89) n-Butylbenzene	13.697	91	108489	9.842	ug/l	99
90) Hexachloroethane	13.959	117	24436	10.110	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	57272	10.144	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3796	9.617	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	32049	9.695	ug/l	98
94) Hexachlorobutadiene	15.111	225	19977	10.063	ug/l	99
95) Naphthalene	15.233	128	55201	8.752	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	27402	9.528	ug/l	97

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

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