

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101922\
 Data File : VY011004.D
 Acq On : 19 Oct 2022 11:17
 Operator : KP/MD
 Sample : VY1019SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1019SBS01

Quant Time: Oct 19 11:39:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	258978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	423492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	376842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	182063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	114908	48.168	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.340%		
35) Dibromofluoromethane	7.716	113	117150	49.609	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.220%		
50) Toluene-d8	10.179	98	429254	48.544	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.080%		
62) 4-Bromofluorobenzene	12.483	95	150360	47.873	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35759	20.816	ug/l	98
3) Chloromethane	2.113	50	51843	21.036	ug/l	98
4) Vinyl Chloride	2.253	62	58994	21.119	ug/l	98
5) Bromomethane	2.644	94	41360	21.408	ug/l	97
6) Chloroethane	2.790	64	39953	21.403	ug/l	99
7) Trichlorofluoromethane	3.125	101	87525	21.407	ug/l	93
8) Diethyl Ether	3.528	74	31458	20.618	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	54959	21.430	ug/l	94
10) Methyl Iodide	4.088	142	61304	19.535	ug/l	91
11) Tert butyl alcohol	4.936	59	51763	187.304	ug/l #	77
12) 1,1-Dichloroethene	3.869	96	52221	21.256	ug/l	84
13) Acrolein	3.729	56	42623	110.830	ug/l	98
14) Allyl chloride	4.472	41	82719	21.232	ug/l #	86
15) Acrylonitrile	5.161	53	84097	105.743	ug/l	98
16) Acetone	3.948	43	73632	106.287	ug/l #	84
17) Carbon Disulfide	4.192	76	152727	21.206	ug/l	99
18) Methyl Acetate	4.472	43	45842	21.941	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	141997	20.687	ug/l	98
20) Methylene Chloride	4.716	84	83005	24.239	ug/l #	82
21) trans-1,2-Dichloroethene	5.222	96	59690	21.522	ug/l	86
22) Diisopropyl ether	6.112	45	178063	21.341	ug/l	96
23) Vinyl Acetate	6.058	43	524969	105.216	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	108079	21.454	ug/l	99
25) 2-Butanone	6.984	43	111562	106.190	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	96552	21.583	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	67787	21.207	ug/l	90
28) Bromochloromethane	7.332	49	22928	15.460	ug/l	87
29) Tetrahydrofuran	7.344	42	68665	106.231	ug/l #	87
30) Chloroform	7.502	83	109316	21.526	ug/l	98
31) Cyclohexane	7.783	56	96605	21.162	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	95386	21.369	ug/l	96
36) 1,1-Dichloropropene	7.917	75	82950	21.041	ug/l	98
37) Ethyl Acetate	7.070	43	48023	22.002	ug/l #	95
38) Carbon Tetrachloride	7.899	117	86846	21.341	ug/l	98
39) Methylcyclohexane	9.185	83	99485	21.069	ug/l	91
40) Benzene	8.161	78	244363	21.125	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	23394m	19.779	ug/l	
42) 1,2-Dichloroethane	8.240	62	67880	21.179	ug/l	90
43) Isopropyl Acetate	8.271	43	81372	20.866	ug/l #	89
44) Trichloroethene	8.941	130	66436	21.194	ug/l	97
45) 1,2-Dichloropropane	9.216	63	62410	21.265	ug/l	94
46) Dibromomethane	9.307	93	34725	21.214	ug/l	97
47) Bromodichloromethane	9.496	83	83257	21.106	ug/l	98
48) Methyl methacrylate	9.295	41	35256	20.201	ug/l #	80
49) 1,4-Dioxane	9.301	88	9431	400.995	ug/l #	93
51) 4-Methyl-2-Pentanone	10.069	43	227946	104.810	ug/l	89
52) Toluene	10.240	92	154616	21.516	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	84283	20.567	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	97405	20.771	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	49619	21.012	ug/l	99
56) Ethyl methacrylate	10.508	69	64129	20.447	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	85913	21.160	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	114024	85.453	ug/l	98
59) 2-Hexanone	10.831	43	158296	105.960	ug/l	86
60) Dibromochloromethane	10.984	129	58350	20.780	ug/l	100
61) 1,2-Dibromoethane	11.087	107	47296	20.914	ug/l	99
64) Tetrachloroethene	10.721	164	61305	20.898	ug/l	95
65) Chlorobenzene	11.514	112	162528	21.007	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	59743	20.863	ug/l	98
67) Ethyl Benzene	11.593	91	289950	21.184	ug/l	99
68) m/p-Xylenes	11.703	106	223695	42.485	ug/l	95
69) o-Xylene	12.026	106	105456	21.093	ug/l	94
70) Styrene	12.044	104	179381	21.175	ug/l	95
71) Bromoform	12.209	173	37289	21.099	ug/l #	98
73) Isopropylbenzene	12.331	105	282004	21.320	ug/l	99
74) N-amyl acetate	12.142	43	68788	20.497	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	58959	21.239	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	47273m	22.870	ug/l	
77) Bromobenzene	12.611	156	65052	21.040	ug/l	99
78) n-propylbenzene	12.672	91	349135	21.694	ug/l	99
79) 2-Chlorotoluene	12.758	91	193582	21.359	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	241476	21.880	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	20316	21.139	ug/l	87
82) 4-Chlorotoluene	12.855	91	200565	21.254	ug/l	99
83) tert-Butylbenzene	13.075	119	203169	21.289	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	236934	21.772	ug/l	99
85) sec-Butylbenzene	13.251	105	310400	21.645	ug/l	98
86) p-Isopropyltoluene	13.367	119	253833	21.336	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	129576	20.999	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	128799	20.993	ug/l	98
89) n-Butylbenzene	13.696	91	238527	21.456	ug/l	99
90) Hexachloroethane	13.959	117	49708	21.171	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	114637	20.765	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9180	20.001	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	65543	19.864	ug/l	98
94) Hexachlorobutadiene	15.111	225	40490	20.848	ug/l	97
95) Naphthalene	15.239	128	131182	19.522	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	56842	19.747	ug/l	99

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

