

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090922\
 Data File : VY010424.D
 Acq On : 09 Sep 2022 17:46
 Operator : KP/MD
 Sample : VY0909SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0909SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Sep 10 00:00:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	253544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	394989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	352803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	176112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	124881	48.904	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.800%
35) Dibromofluoromethane	7.710	113	126633	45.142	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.280%
50) Toluene-d8	10.173	98	475184	52.266	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.540%
62) 4-Bromofluorobenzene	12.477	95	163850	44.831	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	45202	23.581	ug/l	99
3) Chloromethane	2.107	50	66160	23.226	ug/l	94
4) Vinyl Chloride	2.241	62	79674	22.671	ug/l	100
5) Bromomethane	2.631	94	55587	22.578	ug/l	98
6) Chloroethane	2.784	64	51876	22.069	ug/l	100
7) Trichlorofluoromethane	3.113	101	97537	21.911	ug/l	97
8) Diethyl Ether	3.521	74	29263	20.297	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.887	101	57845	22.194	ug/l	95
10) Methyl Iodide	4.082	142	67085	20.800	ug/l	91
11) Tert butyl alcohol	4.948	59	32741	98.333	ug/l	98
12) 1,1-Dichloroethene	3.863	96	53335	21.813	ug/l	81
13) Acrolein	3.716	56	23088	94.772	ug/l	97
14) Allyl chloride	4.466	41	74556	21.175	ug/l #	94
15) Acrylonitrile	5.149	53	69325	99.331	ug/l	98
16) Acetone	3.942	43	56900	97.095	ug/l	90
17) Carbon Disulfide	4.180	76	146856	22.210	ug/l	99
18) Methyl Acetate	4.472	43	36832	20.430	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	135958	20.135	ug/l	92
20) Methylene Chloride	4.704	84	69467	20.414	ug/l #	83
21) trans-1,2-Dichloroethene	5.210	96	60054	21.631	ug/l	85
22) Diisopropyl ether	6.112	45	160432	20.410	ug/l #	90
23) Vinyl Acetate	6.051	43	477463	99.117	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	100023	21.018	ug/l	98
25) 2-Butanone	6.978	43	89954	96.587	ug/l #	83
26) 2,2-Dichloropropane	6.972	77	92919	20.462	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	67787	21.005	ug/l	87
28) Bromochloromethane	7.325	49	24958	16.358	ug/l #	76
29) Tetrahydrofuran	7.344	42	56921	97.928	ug/l #	83
30) Chloroform	7.496	83	105626	20.925	ug/l	99
31) Cyclohexane	7.777	56	91843	21.290	ug/l #	80
32) 1,1,1-Trichloroethane	7.697	97	97889	21.416	ug/l	96
36) 1,1-Dichloropropene	7.911	75	81194	21.142	ug/l	96
37) Ethyl Acetate	7.069	43	39917	19.772	ug/l	95
38) Carbon Tetrachloride	7.892	117	90206	21.113	ug/l	97
39) Methylcyclohexane	9.179	83	103471	21.608	ug/l	89
40) Benzene	8.155	78	233382	21.110	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	23368m	20.247	ug/l	
42) 1,2-Dichloroethane	8.228	62	67703	20.594	ug/l	92
43) Isopropyl Acetate	8.270	43	70382	19.050	ug/l #	88
44) Trichloroethene	8.935	130	68866	21.162	ug/l	94
45) 1,2-Dichloropropane	9.209	63	55881	20.726	ug/l	96
46) Dibromomethane	9.301	93	33090	20.351	ug/l	97
47) Bromodichloromethane	9.496	83	79650	20.624	ug/l	100
48) Methyl methacrylate	9.289	41	32110	19.351	ug/l #	83
49) 1,4-Dioxane	9.295	88	8378	389.249	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	195307	96.373	ug/l	90
52) Toluene	10.240	92	152135	21.029	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	79745	20.064	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	91674	20.450	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	47221	20.416	ug/l	99
56) Ethyl methacrylate	10.508	69	58873	19.382	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	77453	20.140	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	122652	133.331	ug/l	93
59) 2-Hexanone	10.831	43	130798	94.684	ug/l	86
60) Dibromochloromethane	10.983	129	57501	20.344	ug/l	99
61) 1,2-Dibromoethane	11.087	107	44995	20.040	ug/l	99
64) Tetrachloroethene	10.715	164	67792	21.319	ug/l	99
65) Chlorobenzene	11.514	112	164584	20.860	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	60376	20.661	ug/l	98
67) Ethyl Benzene	11.587	91	289046	20.699	ug/l	98
68) m/p-Xylenes	11.697	106	228344	41.653	ug/l	93
69) o-Xylene	12.026	106	107597	20.555	ug/l	93
70) Styrene	12.044	104	180765	20.403	ug/l	96
71) Bromoform	12.203	173	36172	19.799	ug/l #	99
73) Isopropylbenzene	12.325	105	289356	21.058	ug/l	99
74) N-amyl acetate	12.142	43	59710	18.624	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	51843	20.169	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	37912m	19.505	ug/l	
77) Bromobenzene	12.605	156	69063	21.211	ug/l	89
78) n-propylbenzene	12.666	91	344497	21.172	ug/l	97
79) 2-Chlorotoluene	12.751	91	191306	20.930	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	241414	20.823	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	16512	18.862	ug/l	90
82) 4-Chlorotoluene	12.855	91	197111	20.730	ug/l	96
83) tert-Butylbenzene	13.074	119	216694	21.384	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	240922	21.238	ug/l	98
85) sec-Butylbenzene	13.251	105	318468	21.224	ug/l	99
86) p-Isopropyltoluene	13.367	119	263992	20.799	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	135499	20.724	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	135406	20.914	ug/l	99
89) n-Butylbenzene	13.696	91	239741	20.809	ug/l	98
90) Hexachloroethane	13.958	117	49558	20.796	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	119971	20.717	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8265	19.050	ug/l	75
93) 1,2,4-Trichlorobenzene	15.007	180	73593	20.462	ug/l	98
94) Hexachlorobutadiene	15.111	225	46304	21.337	ug/l	98
95) Naphthalene	15.233	128	138144	19.473	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	62227	19.820	ug/l	98

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

