

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010641.D
 Acq On : 23 Sep 2022 12:14
 Operator : KP/MD
 Sample : VY0923SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/26/2022
 Supervised By :Mahesh Dadoda 09/26/2022

Quant Time: Sep 24 01:20:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	235197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	382113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	118274	52.575	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.160%			
35) Dibromofluoromethane	7.716	113	111176	45.589	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.180%			
50) Toluene-d8	10.179	98	437518	48.635	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.280%			
62) 4-Bromofluorobenzene	12.477	95	146039	43.299	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	28375	22.975	ug/l	99
3) Chloromethane	2.113	50	42960	24.509	ug/l	92
4) Vinyl Chloride	2.247	62	50145	22.096	ug/l	97
5) Bromomethane	2.637	94	33227	20.724	ug/l	94
6) Chloroethane	2.784	64	35324	21.320	ug/l	98
7) Trichlorofluoromethane	3.119	101	66126	21.397	ug/l	91
8) Diethyl Ether	3.527	74	21136	19.947	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.887	101	39068	21.005	ug/l	96
10) Methyl Iodide	4.088	142	43670	20.324	ug/l	91
11) Tert butyl alcohol	4.942	59	27572	131.683	ug/l	97
12) 1,1-Dichloroethene	3.869	96	34470	20.755	ug/l	85
13) Acrolein	3.729	56	8948	85.505	ug/l	99
14) Allyl chloride	4.472	41	54946	21.944	ug/l #	93
15) Acrylonitrile	5.161	53	56051	101.917	ug/l	98
16) Acetone	3.942	43	49255	107.367	ug/l	98
17) Carbon Disulfide	4.186	76	85147	23.860	ug/l	98
18) Methyl Acetate	4.472	43	32513	23.979	ug/l #	91
19) Methyl tert-butyl Ether	5.210	73	98139	18.953	ug/l	97
20) Methylene Chloride	4.704	84	58613	15.912	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	38798	20.759	ug/l	93
22) Diisopropyl ether	6.112	45	126129	21.340	ug/l #	95
23) Vinyl Acetate	6.051	43	355333	101.768	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	75168	21.190	ug/l	99
25) 2-Butanone	6.978	43	74323	103.577	ug/l	92
26) 2,2-Dichloropropane	6.978	77	69235	20.296	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	47318	20.322	ug/l	91
28) Bromochloromethane	7.325	49	19673	15.713	ug/l #	90
29) Tetrahydrofuran	7.344	42	45065	102.252	ug/l #	88
30) Chloroform	7.502	83	79223	20.643	ug/l	99
31) Cyclohexane	7.783	56	62676	22.854	ug/l #	84
32) 1,1,1-Trichloroethane	7.697	97	70154	20.539	ug/l	98
36) 1,1-Dichloropropene	7.917	75	56817	20.910	ug/l	97
37) Ethyl Acetate	7.069	43	30928	19.706	ug/l	96
38) Carbon Tetrachloride	7.899	117	62631	20.047	ug/l	97
39) Methylcyclohexane	9.179	83	63979	20.118	ug/l	91
40) Benzene	8.155	78	166371	20.539	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	17601m	21.988	ug/l	
42) 1,2-Dichloroethane	8.234	62	50051	20.066	ug/l	92
43) Isopropyl Acetate	8.270	43	55990	19.462	ug/l #	91
44) Trichloroethene	8.935	130	45517	19.629	ug/l	91
45) 1,2-Dichloropropane	9.215	63	41646	19.874	ug/l	95
46) Dibromomethane	9.301	93	23928	19.444	ug/l	96
47) Bromodichloromethane	9.490	83	61037	20.088	ug/l	99
48) Methyl methacrylate	9.289	41	24698	19.448	ug/l #	86
49) 1,4-Dioxane	9.295	88	6298	348.040	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	156392	96.288	ug/l	91
52) Toluene	10.240	92	106025	20.004	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	58905	19.173	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	66837	19.512	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	35264	19.482	ug/l	97
56) Ethyl methacrylate	10.508	69	42813	18.258	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	58259	19.431	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	87215	80.795	ug/l	95
59) 2-Hexanone	10.831	43	105743	96.052	ug/l	91
60) Dibromochloromethane	10.983	129	42086	19.000	ug/l	99
61) 1,2-Dibromoethane	11.087	107	31988	18.877	ug/l	97
64) Tetrachloroethene	10.715	164	44334	19.271	ug/l	96
65) Chlorobenzene	11.514	112	116499	19.562	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	43310	18.667	ug/l	97
67) Ethyl Benzene	11.593	91	203827	19.491	ug/l	99
68) m/p-Xylenes	11.703	106	157987	38.998	ug/l	94
69) o-Xylene	12.026	106	75470	19.108	ug/l	92
70) Styrene	12.044	104	128736	19.187	ug/l	95
71) Bromoform	12.209	173	26302	18.257	ug/l #	100
73) Isopropylbenzene	12.331	105	202351	19.190	ug/l	100
74) N-amyl acetate	12.142	43	45981	17.982	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	40649	18.918	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	29962m	18.399	ug/l	
77) Bromobenzene	12.605	156	46780	18.646	ug/l	96
78) n-propylbenzene	12.672	91	246553	19.630	ug/l	100
79) 2-Chlorotoluene	12.757	91	136973	19.139	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	174156	19.547	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	12928	17.652	ug/l	92
82) 4-Chlorotoluene	12.855	91	142669	19.306	ug/l	98
83) tert-Butylbenzene	13.074	119	149171	18.721	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	172848	19.528	ug/l	100
85) sec-Butylbenzene	13.251	105	224422	19.231	ug/l	100
86) p-Isopropyltoluene	13.367	119	184402	18.909	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	95915	18.835	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	95469	18.942	ug/l	99
89) n-Butylbenzene	13.696	91	172588	19.278	ug/l	99
90) Hexachloroethane	13.958	117	37242	19.890	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	85294	18.803	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6226	17.364	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	49087	17.739	ug/l	98
94) Hexachlorobutadiene	15.111	225	30833	18.332	ug/l	99
95) Naphthalene	15.239	128	94178	16.890	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	43220	17.937	ug/l	98

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

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