

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092523\
 Data File : VY015703.D
 Acq On : 25 Sep 2023 16:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/26/2023
 Supervised By :Semsettin Yesilyurt 09/26/2023

Quant Time: Sep 26 04:24:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	148526	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	245438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	223404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	76707	46.939	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.880%		
35) Dibromofluoromethane	7.722	113	76840	52.307	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.620%		
50) Toluene-d8	10.178	98	240421	48.268	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.540%		
62) 4-Bromofluorobenzene	12.483	95	97230	49.742	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	53891	55.045	ug/l	98
3) Chloromethane	2.119	50	65839	53.306	ug/l	97
4) Vinyl Chloride	2.253	62	78569	55.636	ug/l	98
5) Bromomethane	2.655	94	58328	48.402	ug/l	95
6) Chloroethane	2.796	64	57852	55.270	ug/l	99
7) Trichlorofluoromethane	3.125	101	132571	55.977	ug/l	99
8) Diethyl Ether	3.539	74	54272	53.736	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.905	101	83828	56.531	ug/l	95
10) Methyl Iodide	4.094	142	87765	50.313	ug/l	98
11) Tert butyl alcohol	4.990	59	81207	239.888	ug/l #	82
12) 1,1-Dichloroethene	3.875	96	73214	56.031	ug/l	92
13) Acrolein	3.741	56	55578	222.068	ug/l	98
14) Allyl chloride	4.490	41	129583	54.240	ug/l	93
15) Acrylonitrile	5.173	53	192711	260.105	ug/l	98
16) Acetone	3.966	43	222878	254.848	ug/l	95
17) Carbon Disulfide	4.204	76	136835	53.905	ug/l	97
18) Methyl Acetate	4.490	43	157991	53.843	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	288414	54.194	ug/l	98
20) Methylene Chloride	4.722	84	99035	51.891	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	83270	55.753	ug/l	95
22) Diisopropyl ether	6.124	45	316532	55.053	ug/l	95
23) Vinyl Acetate	6.069	43	952108	268.288	ug/l	96
24) 1,1-Dichloroethane	6.021	63	169408	54.057	ug/l	97
25) 2-Butanone	6.996	43	300079	242.753	ug/l	94
26) 2,2-Dichloropropane	6.990	77	147623	51.538	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	107616	54.275	ug/l	95
28) Bromochloromethane	7.337	49	41268	48.537	ug/l	99
29) Tetrahydrofuran	7.356	42	179817	257.366	ug/l	94
30) Chloroform	7.514	83	183127	54.566	ug/l	100
31) Cyclohexane	7.789	56	118746	52.453	ug/l	94
32) 1,1,1-Trichloroethane	7.703	97	155022	55.954	ug/l	99
36) 1,1-Dichloropropene	7.923	75	121316	55.852	ug/l	100
37) Ethyl Acetate	7.081	43	114155	52.690	ug/l	96
38) Carbon Tetrachloride	7.904	117	135273	57.374	ug/l	99
39) Methylcyclohexane	9.185	83	133983	55.770	ug/l	94
40) Benzene	8.167	78	367672	55.507	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	63183	54.162	ug/l #	82
42) 1,2-Dichloroethane	8.240	62	124130	54.718	ug/l	95
43) Isopropyl Acetate	8.276	43	200103	54.069	ug/l	97
44) Trichloroethene	8.941	130	103850	56.134	ug/l	98
45) 1,2-Dichloropropane	9.215	63	102848	55.678	ug/l	97
46) Dibromomethane	9.307	93	65505	55.437	ug/l	95
47) Bromodichloromethane	9.496	83	148205	56.272	ug/l	99
48) Methyl methacrylate	9.294	41	88013	54.180	ug/l	90
49) 1,4-Dioxane	9.313	88	25310	1084.244	ug/l #	51
51) 4-Methyl-2-Pentanone	10.069	43	618016	269.421	ug/l	93
52) Toluene	10.245	92	240597	56.341	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	159076	56.323	ug/l	100
54) cis-1,3-Dichloropropene	9.928	75	169271	55.678	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	95849	55.353	ug/l	97
56) Ethyl methacrylate	10.508	69	144616	56.671	ug/l #	88
57) 1,3-Dichloropropane	10.788	76	159108	54.792	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	177016	218.383	ug/l	96
59) 2-Hexanone	10.831	43	471542	267.939	ug/l	91
60) Dibromochloromethane	10.983	129	112974	55.890	ug/l	99
61) 1,2-Dibromoethane	11.093	107	92610	54.669	ug/l	100
64) Tetrachloroethene	10.721	164	110072	57.427	ug/l	98
65) Chlorobenzene	11.514	112	272138	55.806	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	108076	57.056	ug/l	99
67) Ethyl Benzene	11.593	91	482369	56.593	ug/l	99
68) m/p-Xylenes	11.703	106	369324	114.000	ug/l	95
69) o-Xylene	12.032	106	178523	56.197	ug/l	99
70) Styrene	12.044	104	314677	57.870	ug/l	96
71) Bromoform	12.209	173	79018	57.566	ug/l #	100
73) Isopropylbenzene	12.330	105	486123	55.125	ug/l	100
74) N-amyl acetate	12.141	43	178133	53.744	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.580	83	130092	53.006	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	102159m	54.473	ug/l	
77) Bromobenzene	12.611	156	116698	53.910	ug/l	95
78) n-propylbenzene	12.672	91	587544	54.842	ug/l	99
79) 2-Chlorotoluene	12.757	91	330251	54.079	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	406082	55.005	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	45040	54.082	ug/l	95
82) 4-Chlorotoluene	12.855	91	347011	54.432	ug/l	100
83) tert-Butylbenzene	13.074	119	359337	55.573	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	406392	55.015	ug/l	98
85) sec-Butylbenzene	13.251	105	533385	55.121	ug/l	99
86) p-Isopropyltoluene	13.367	119	444720	55.019	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	232365	54.108	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	230776	53.731	ug/l	98
89) n-Butylbenzene	13.696	91	419357	54.789	ug/l	97
90) Hexachloroethane	13.964	117	86559	55.486	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	216879	54.708	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.354	75	24507	50.276	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	133078	53.323	ug/l	98
94) Hexachlorobutadiene	15.110	225	65826	51.504	ug/l	97
95) Naphthalene	15.238	128	351026	53.941	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	121774	52.865	ug/l	97

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

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