

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
 Data File : VY015693.D
 Acq On : 22 Sep 2023 18:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/25/2023
 Supervised By :Semsettin Yesilyurt 09/25/2023

Quant Time: Sep 22 22:59:47 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	140124	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	244561	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	227885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	74347	48.222	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.440%		
35) Dibromofluoromethane	7.722	113	70619	48.244	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.480%		
50) Toluene-d8	10.185	98	221940	44.718	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.440%		
62) 4-Bromofluorobenzene	12.483	95	90492	46.461	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	46712	50.573	ug/l	98
3) Chloromethane	2.113	50	62615	53.735	ug/l	97
4) Vinyl Chloride	2.253	62	71829	53.913	ug/l	96
5) Bromomethane	2.649	94	56439	49.814	ug/l	95
6) Chloroethane	2.790	64	54872	55.566	ug/l	99
7) Trichlorofluoromethane	3.125	101	116166	51.991	ug/l	99
8) Diethyl Ether	3.533	74	51659	54.216	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	73742	52.711	ug/l	94
10) Methyl Iodide	4.094	142	75555	46.150	ug/l	98
11) Tert butyl alcohol	4.978	59	85973	271.141	ug/l #	80
12) 1,1-Dichloroethene	3.875	96	63906	51.840	ug/l	92
13) Acrolein	3.735	56	63296	268.071	ug/l	98
14) Allyl chloride	4.485	41	116601	51.732	ug/l	94
15) Acrylonitrile	5.167	53	195995	280.399	ug/l	98
16) Acetone	3.960	43	165032	200.020	ug/l	91
17) Carbon Disulfide	4.198	76	125145	52.256	ug/l	99
18) Methyl Acetate	4.485	43	172297	62.239	ug/l	94
19) Methyl tert-butyl Ether	5.228	73	276129	54.996	ug/l	100
20) Methylene Chloride	4.716	84	96697	53.891	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	75626	53.671	ug/l	97
22) Diisopropyl ether	6.124	45	297900	54.919	ug/l	94
23) Vinyl Acetate	6.070	43	865694	258.565	ug/l	96
24) 1,1-Dichloroethane	6.021	63	156962	53.089	ug/l	97
25) 2-Butanone	6.996	43	286301	245.495	ug/l	96
26) 2,2-Dichloropropane	6.984	77	112732	41.717	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	99434	53.156	ug/l	95
28) Bromochloromethane	7.338	49	41822	52.138	ug/l	98
29) Tetrahydrofuran	7.356	42	190764	289.405	ug/l	95
30) Chloroform	7.508	83	169989	53.688	ug/l	95
31) Cyclohexane	7.789	56	103894	48.644	ug/l	93
32) 1,1,1-Trichloroethane	7.710	97	140315	53.682	ug/l	99
36) 1,1-Dichloropropene	7.923	75	108396	50.083	ug/l	99
37) Ethyl Acetate	7.082	43	116196	53.824	ug/l	97
38) Carbon Tetrachloride	7.905	117	119294	50.779	ug/l	99
39) Methylcyclohexane	9.185	83	117723	49.177	ug/l	95
40) Benzene	8.161	78	338308	51.257	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	57326m	49.317	ug/l	
42) 1,2-Dichloroethane	8.240	62	119232	52.747	ug/l	94
43) Isopropyl Acetate	8.277	43	200336	54.326	ug/l	99
44) Trichloroethene	8.941	130	95697	51.912	ug/l	98
45) 1,2-Dichloropropane	9.215	63	95964	52.137	ug/l	98
46) Dibromomethane	9.307	93	63008	53.515	ug/l	95
47) Bromodichloromethane	9.502	83	139837	53.285	ug/l	99
48) Methyl methacrylate	9.295	41	89363	55.209	ug/l	91
49) 1,4-Dioxane	9.313	88	26276	1129.662	ug/l #	51
51) 4-Methyl-2-Pentanone	10.075	43	637331	278.837	ug/l	93
52) Toluene	10.246	92	219373	51.556	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	143428	50.965	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	154899	51.133	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	92147	53.406	ug/l	98
56) Ethyl methacrylate	10.514	69	141753	55.748	ug/l	89
57) 1,3-Dichloropropane	10.788	76	155364	53.695	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	211489	261.848	ug/l	96
59) 2-Hexanone	10.831	43	470272	268.176	ug/l	92
60) Dibromochloromethane	10.989	129	108406	53.823	ug/l	99
61) 1,2-Dibromoethane	11.093	107	90417	53.565	ug/l	99
64) Tetrachloroethene	10.721	164	109180	55.841	ug/l	97
65) Chlorobenzene	11.520	112	252098	50.680	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	100935	52.238	ug/l	98
67) Ethyl Benzene	11.593	91	440752	50.694	ug/l	99
68) m/p-Xylenes	11.703	106	334451	101.206	ug/l	97
69) o-Xylene	12.032	106	165624	51.111	ug/l	99
70) Styrene	12.044	104	293340	52.885	ug/l	97
71) Bromoform	12.209	173	76373	54.545	ug/l #	98
73) Isopropylbenzene	12.331	105	436784	50.379	ug/l	100
74) N-amyl acetate	12.148	43	173196	53.150	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	125531	52.024	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	104322m	56.580	ug/l	
77) Bromobenzene	12.611	156	108716	51.083	ug/l	94
78) n-propylbenzene	12.672	91	524986	49.843	ug/l	100
79) 2-Chlorotoluene	12.757	91	302624	50.404	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	368511	50.771	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	40287	49.204	ug/l	94
82) 4-Chlorotoluene	12.855	91	312767	49.901	ug/l	100
83) tert-Butylbenzene	13.074	119	324303	51.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	366121	50.413	ug/l	98
85) sec-Butylbenzene	13.251	105	474478	49.874	ug/l	100
86) p-Isopropyltoluene	13.373	119	394987	49.703	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	211006	49.977	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	211073	49.986	ug/l	99
89) n-Butylbenzene	13.696	91	361701	48.066	ug/l	97
90) Hexachloroethane	13.958	117	76400	49.814	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	199138	51.094	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	25848	53.936	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	121185	49.390	ug/l	99
94) Hexachlorobutadiene	15.111	225	58655	46.680	ug/l	98
95) Naphthalene	15.239	128	343279	53.654	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	113079	49.931	ug/l	99

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

