

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092723\
 Data File : VY015738.D
 Acq On : 27 Sep 2023 21:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/28/2023
 Supervised By :Semsettin Yesilyurt 09/28/2023

Quant Time: Sep 28 05:08:41 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	7.801	168	136191	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	230286	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	211296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	92883	61.985	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.960%			
35) Dibromofluoromethane	7.728	113	84591	61.372	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.740%			
50) Toluene-d8	10.185	98	299112	64.002	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 128.000%			
62) 4-Bromofluorobenzene	12.489	95	112220	61.188	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 122.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	40535	45.153	ug/l	97
3) Chloromethane	2.113	50	52704	46.536	ug/l	99
4) Vinyl Chloride	2.253	62	61925	47.822	ug/l	97
5) Bromomethane	2.656	94	47792	42.711	ug/l	100
6) Chloroethane	2.796	64	46730	48.688	ug/l	95
7) Trichlorofluoromethane	3.125	101	99423	45.782	ug/l	99
8) Diethyl Ether	3.540	74	44536	48.090	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.906	101	63131	46.429	ug/l	96
10) Methyl Iodide	4.101	142	66585	42.100	ug/l	98
11) Tert butyl alcohol	5.009	59	77259	249.666	ug/l #	98
12) 1,1-Dichloroethene	3.875	96	54364	45.373	ug/l	94
13) Acrolein	3.741	56	55019	239.745	ug/l	100
14) Allyl chloride	4.485	41	101736	46.441	ug/l	94
15) Acrylonitrile	5.180	53	170886	251.537	ug/l	98
16) Acetone	3.967	43	159025	198.305	ug/l	93
17) Carbon Disulfide	4.204	76	102776	44.155	ug/l	99
18) Methyl Acetate	4.497	43	142692	53.033	ug/l	94
19) Methyl tert-butyl Ether	5.235	73	238457	48.865	ug/l	99
20) Methylene Chloride	4.723	84	91246	52.166	ug/l	94
21) trans-1,2-Dichloroethene	5.229	96	64695	47.239	ug/l	91
22) Diisopropyl ether	6.131	45	255934	48.545	ug/l	94
23) Vinyl Acetate	6.076	43	777338	238.880	ug/l	96
24) 1,1-Dichloroethane	6.027	63	134687	46.870	ug/l	97
25) 2-Butanone	7.003	43	256989	226.724	ug/l	99
26) 2,2-Dichloropropane	6.984	77	113335	43.151	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	86431	47.539	ug/l	95
28) Bromochloromethane	7.344	49	41424	53.133	ug/l	96
29) Tetrahydrofuran	7.362	42	163178	254.704	ug/l	94
30) Chloroform	7.515	83	146541	47.619	ug/l	93
31) Cyclohexane	7.795	56	89342	43.039	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	121415	47.793	ug/l	98
36) 1,1-Dichloropropene	7.923	75	93263	45.762	ug/l	100
37) Ethyl Acetate	7.088	43	102626	50.485	ug/l	97
38) Carbon Tetrachloride	7.911	117	104703	47.330	ug/l	98
39) Methylcyclohexane	9.191	83	101501	45.029	ug/l	95
40) Benzene	8.167	78	292583	47.077	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	48205m	44.041	ug/l	
42) 1,2-Dichloroethane	8.246	62	103986	48.854	ug/l	95
43) Isopropyl Acetate	8.283	43	173302	49.908	ug/l	98
44) Trichloroethene	8.947	130	82795	47.697	ug/l	97
45) 1,2-Dichloropropane	9.222	63	83406	48.124	ug/l	98
46) Dibromomethane	9.313	93	54154	48.847	ug/l	94
47) Bromodichloromethane	9.502	83	119848	48.499	ug/l	98
48) Methyl methacrylate	9.301	41	75794	49.728	ug/l	90
49) 1,4-Dioxane	9.325	88	23148	1056.872	ug/l #	53
51) 4-Methyl-2-Pentanone	10.075	43	553836	257.328	ug/l	94
52) Toluene	10.252	92	187612	46.824	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	127817	48.233	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	136098	47.712	ug/l	91
55) 1,1,2-Trichloroethane	10.654	97	80716	49.680	ug/l	96
56) Ethyl methacrylate	10.514	69	121258	50.644	ug/l #	88
57) 1,3-Dichloropropane	10.795	76	134256	49.276	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	179302	235.758	ug/l	97
59) 2-Hexanone	10.837	43	419367	253.971	ug/l	92
60) Dibromochloromethane	10.990	129	94190	49.663	ug/l	100
61) 1,2-Dibromoethane	11.093	107	77716	48.895	ug/l	100
64) Tetrachloroethene	10.728	164	90553	49.951	ug/l	98
65) Chlorobenzene	11.520	112	217104	47.072	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	87020	48.572	ug/l	98
67) Ethyl Benzene	11.599	91	378394	46.939	ug/l	98
68) m/p-Xylenes	11.709	106	289963	94.633	ug/l	96
69) o-Xylene	12.032	106	143328	47.704	ug/l	98
70) Styrene	12.050	104	249878	48.587	ug/l	97
71) Bromoform	12.215	173	66740	51.407	ug/l #	99
73) Isopropylbenzene	12.337	105	379440	45.342	ug/l	100
74) N-amyl acetate	12.148	43	151555	48.185	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	111011	47.665	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	86014m	48.332	ug/l	
77) Bromobenzene	12.611	156	94674	46.089	ug/l	94
78) n-propylbenzene	12.678	91	457946	45.045	ug/l	100
79) 2-Chlorotoluene	12.764	91	265030	45.734	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	320073	45.687	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	37691	47.693	ug/l	95
82) 4-Chlorotoluene	12.861	91	272641	45.067	ug/l	99
83) tert-Butylbenzene	13.081	119	279088	45.484	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	322424	45.997	ug/l	99
85) sec-Butylbenzene	13.258	105	418981	45.628	ug/l	99
86) p-Isopropyltoluene	13.373	119	347744	45.336	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	186862	45.854	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	187363	45.970	ug/l	99
89) n-Butylbenzene	13.703	91	325983	44.881	ug/l	98
90) Hexachloroethane	13.965	117	66862	45.166	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	176955	47.039	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	22670	49.010	ug/l	89
93) 1,2,4-Trichlorobenzene	15.013	180	108789	45.936	ug/l	98
94) Hexachlorobutadiene	15.117	225	53360	43.997	ug/l	98
95) Naphthalene	15.239	128	306940	49.704	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	102072	46.696	ug/l	99

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

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