

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092723\
 Data File : VY015720.D
 Acq On : 27 Sep 2023 09:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Sep 28 00:43:09 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	163600	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	267706	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	241016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	92158	51.197	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.400%			
35) Dibromofluoromethane	7.728	113	86121	53.748	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.500%			
50) Toluene-d8	10.185	98	307341	56.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.140%			
62) 4-Bromofluorobenzene	12.483	95	113691	53.325	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.640%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	53094	49.234	ug/l	95
3) Chloromethane	2.113	50	65529	48.166	ug/l	99
4) Vinyl Chloride	2.253	62	79927	51.383	ug/l	97
5) Bromomethane	2.656	94	59279	44.240	ug/l	100
6) Chloroethane	2.796	64	57425	49.807	ug/l	92
7) Trichlorofluoromethane	3.125	101	143160	54.878	ug/l	100
8) Diethyl Ether	3.534	74	53789	48.351	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.905	101	83249	50.968	ug/l	95
10) Methyl Iodide	4.094	142	86239	45.178	ug/l	99
11) Tert butyl alcohol	5.009	59	93152	250.659	ug/l #	97
12) 1,1-Dichloroethene	3.875	96	72445	50.334	ug/l	94
13) Acrolein	3.741	56	62940	228.312	ug/l	100
14) Allyl chloride	4.485	41	127505	48.452	ug/l	95
15) Acrylonitrile	5.180	53	188395	230.850	ug/l	98
16) Acetone	3.973	43	271108	281.434	ug/l	95
17) Carbon Disulfide	4.198	76	134432	48.079	ug/l	99
18) Methyl Acetate	4.491	43	152495	47.181	ug/l	94
19) Methyl tert-butyl Ether	5.234	73	288636	49.238	ug/l	99
20) Methylene Chloride	4.722	84	108677	51.676	ug/l	93
21) trans-1,2-Dichloroethene	5.228	96	81696	49.659	ug/l	98
22) Diisopropyl ether	6.131	45	310629	49.048	ug/l	93
23) Vinyl Acetate	6.070	43	930078	237.933	ug/l	95
24) 1,1-Dichloroethane	6.027	63	169488	49.100	ug/l	98
25) 2-Butanone	7.002	43	332305	244.054	ug/l	97
26) 2,2-Dichloropropane	6.990	77	155282	49.217	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	107398	49.175	ug/l	96
28) Bromochloromethane	7.344	49	43907	46.882	ug/l	100
29) Tetrahydrofuran	7.362	42	174145	226.282	ug/l	94
30) Chloroform	7.515	83	181959	49.222	ug/l	94
31) Cyclohexane	7.795	56	116322	46.648	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	156727	51.357	ug/l	99
36) 1,1-Dichloropropene	7.923	75	121421	51.251	ug/l	100
37) Ethyl Acetate	7.082	43	118085	49.970	ug/l	97
38) Carbon Tetrachloride	7.911	117	135696	52.767	ug/l	99
39) Methylcyclohexane	9.191	83	134342	51.268	ug/l	93
40) Benzene	8.167	78	365447	50.582	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	55283	43.448	ug/l	96
42) 1,2-Dichloroethane	8.246	62	122993	49.707	ug/l	94
43) Isopropyl Acetate	8.283	43	199034	49.307	ug/l	98
44) Trichloroethene	8.947	130	103072	51.079	ug/l	98
45) 1,2-Dichloropropane	9.222	63	101712	50.483	ug/l	97
46) Dibromomethane	9.313	93	64227	49.835	ug/l	97
47) Bromodichloromethane	9.502	83	147309	51.279	ug/l	99
48) Methyl methacrylate	9.301	41	86851	49.018	ug/l	91
49) 1,4-Dioxane	9.331	88	25867	1015.932	ug/l #	54
51) 4-Methyl-2-Pentanone	10.075	43	613295	245.123	ug/l	94
52) Toluene	10.252	92	236392	50.752	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	156173	50.696	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	166740	50.283	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	94023	49.782	ug/l	99
56) Ethyl methacrylate	10.514	69	142266	51.113	ug/l #	88
57) 1,3-Dichloropropane	10.794	76	158525	50.050	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	208601	235.943	ug/l	96
59) 2-Hexanone	10.837	43	499541	260.238	ug/l	91
60) Dibromochloromethane	10.990	129	112203	50.891	ug/l	99
61) 1,2-Dibromoethane	11.093	107	90578	49.021	ug/l	100
64) Tetrachloroethene	10.727	164	110701	53.535	ug/l	98
65) Chlorobenzene	11.520	112	267382	50.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	106575	52.152	ug/l	98
67) Ethyl Benzene	11.599	91	478677	52.056	ug/l	100
68) m/p-Xylenes	11.709	106	363752	104.076	ug/l	96
69) o-Xylene	12.032	106	180397	52.637	ug/l	96
70) Styrene	12.050	104	310098	52.861	ug/l	96
71) Bromoform	12.215	173	78571	53.057	ug/l #	99
73) Isopropylbenzene	12.337	105	479487	51.937	ug/l	100
74) N-amyl acetate	12.148	43	177172	51.060	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	128058	49.840	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	98511m	50.176	ug/l	
77) Bromobenzene	12.611	156	115382	50.914	ug/l	94
78) n-propylbenzene	12.672	91	581043	51.806	ug/l	100
79) 2-Chlorotoluene	12.764	91	326657	51.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	400850	51.864	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	44932	51.536	ug/l	94
82) 4-Chlorotoluene	12.861	91	341594	51.182	ug/l	100
83) tert-Butylbenzene	13.081	119	358893	53.018	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	400469	51.785	ug/l	99
85) sec-Butylbenzene	13.257	105	530368	52.354	ug/l	100
86) p-Isopropyltoluene	13.373	119	441328	52.154	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	229487	51.045	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	227724	50.646	ug/l	99
89) n-Butylbenzene	13.696	91	412959	51.536	ug/l	97
90) Hexachloroethane	13.965	117	85848	52.566	ug/l	88
91) 1,2-Dichlorobenzene	13.745	146	213275	51.389	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	25262	49.504	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	133783	51.204	ug/l	99
94) Hexachlorobutadiene	15.117	225	65466	48.929	ug/l	98
95) Naphthalene	15.239	128	350169	51.399	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	122045	50.609	ug/l	99

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

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