

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091123\
 Data File : VY015481.D
 Acq On : 11 Sep 2023 10:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 12 01:14:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/12/2023
 Supervised By :Semsettin Yesilyurt 09/12/2023

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

Internal Standards						
1) Pentafluorobenzene	7.782	168	198240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	322311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	287367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	90954	42.800	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.600%		
35) Dibromofluoromethane	7.709	113	84024	45.261	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.520%		
50) Toluene-d8	10.178	98	286514	42.618	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.240%		
62) 4-Bromofluorobenzene	12.483	95	109464	43.860	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	81707	47.415	ug/l	97
3) Chloromethane	2.107	50	107735	47.076	ug/l	100
4) Vinyl Chloride	2.247	62	125800	47.226	ug/l	95
5) Bromomethane	2.637	94	95890	50.592	ug/l	98
6) Chloroethane	2.783	64	86086	49.167	ug/l	97
7) Trichlorofluoromethane	3.119	101	185638	49.268	ug/l	100
8) Diethyl Ether	3.527	74	65718	51.035	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	104213	49.901	ug/l	96
10) Methyl Iodide	4.082	142	128966	52.586	ug/l	99
11) Tert butyl alcohol	4.960	59	100665	210.270	ug/l #	81
12) 1,1-Dichloroethene	3.862	96	97591	49.523	ug/l	95
13) Acrolein	3.722	56	135273	230.099	ug/l	100
14) Allyl chloride	4.472	41	160212	51.062	ug/l	97
15) Acrylonitrile	5.155	53	214890	265.202	ug/l	99
16) Acetone	3.942	43	255529	288.080	ug/l	94
17) Carbon Disulfide	4.186	76	264450	44.888	ug/l	98
18) Methyl Acetate	4.472	43	169478	52.751	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	338786	52.895	ug/l	98
20) Methylene Chloride	4.710	84	116152	39.130	ug/l	91
21) trans-1,2-Dichloroethene	5.210	96	112256	49.469	ug/l	99
22) Diisopropyl ether	6.112	45	357878	52.153	ug/l	93
23) Vinyl Acetate	6.051	43	1155447	266.687	ug/l #	95
24) 1,1-Dichloroethane	6.008	63	202909	51.152	ug/l	97
25) 2-Butanone	6.978	43	344654	273.955	ug/l	97
26) 2,2-Dichloropropane	6.978	77	185788	55.143	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	132245	51.371	ug/l	94
28) Bromochloromethane	7.325	49	51172	42.067	ug/l	96
29) Tetrahydrofuran	7.344	42	209169	264.759	ug/l	91
30) Chloroform	7.502	83	217898	52.253	ug/l	95
31) Cyclohexane	7.782	56	170490	45.164	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	194203	52.139	ug/l	98
36) 1,1-Dichloropropene	7.917	75	159991	49.081	ug/l	99
37) Ethyl Acetate	7.069	43	132209	52.588	ug/l #	96
38) Carbon Tetrachloride	7.892	117	176641	52.468	ug/l	99
39) Methylcyclohexane	9.179	83	190441	46.406	ug/l	93
40) Benzene	8.154	78	462558	50.861	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	61762m	52.388	ug/l	
42) 1,2-Dichloroethane	8.234	62	153738	50.695	ug/l	94
43) Isopropyl Acetate	8.270	43	234864	54.025	ug/l	97
44) Trichloroethene	8.935	130	133193	51.763	ug/l	96
45) 1,2-Dichloropropane	9.215	63	116180	50.675	ug/l	97
46) Dibromomethane	9.301	93	77845	51.116	ug/l	98
47) Bromodichloromethane	9.496	83	175385	53.852	ug/l	99
48) Methyl methacrylate	9.288	41	102936	51.607	ug/l	91
49) 1,4-Dioxane	9.294	88	30143	1065.604	ug/l #	50
51) 4-Methyl-2-Pentanone	10.069	43	691618	273.716	ug/l	93
52) Toluene	10.239	92	299944	51.457	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	191699	55.386	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	203207	53.972	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	110328	53.767	ug/l	95
56) Ethyl methacrylate	10.508	69	169371	55.699	ug/l	90
57) 1,3-Dichloropropane	10.788	76	186601	52.828	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	241820	222.799	ug/l	94
59) 2-Hexanone	10.831	43	537961	283.740	ug/l	92
60) Dibromochloromethane	10.983	129	131303	54.670	ug/l	99
61) 1,2-Dibromoethane	11.087	107	110331	53.063	ug/l	100
64) Tetrachloroethene	10.721	164	138357	53.044	ug/l	98
65) Chlorobenzene	11.514	112	329672	53.238	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	126575	55.846	ug/l	99
67) Ethyl Benzene	11.593	91	589502	53.016	ug/l	99
68) m/p-Xylenes	11.703	106	455250	105.626	ug/l	96
69) o-Xylene	12.026	106	220287	53.480	ug/l	98
70) Styrene	12.044	104	379201	54.751	ug/l	97
71) Bromoform	12.209	173	94328	59.662	ug/l #	98
73) Isopropylbenzene	12.330	105	583549	52.543	ug/l	100
74) N-amyl acetate	12.141	43	211286	56.626	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.580	83	145620	54.925	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	111967m	57.104	ug/l	
77) Bromobenzene	12.605	156	142087	54.016	ug/l	97
78) n-propylbenzene	12.672	91	706205	52.550	ug/l	99
79) 2-Chlorotoluene	12.757	91	392782	52.109	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	488511	52.587	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	52360	58.906	ug/l	96
82) 4-Chlorotoluene	12.855	91	416082	53.114	ug/l	100
83) tert-Butylbenzene	13.074	119	426882	52.465	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	485430	52.630	ug/l	98
85) sec-Butylbenzene	13.251	105	630871	51.984	ug/l	100
86) p-Isopropyltoluene	13.367	119	531756	52.280	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	277127	53.365	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	278951	53.140	ug/l	99
89) n-Butylbenzene	13.696	91	492674	51.463	ug/l	96
90) Hexachloroethane	13.958	117	98431	54.109	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	252333	53.245	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.354	75	30338	57.846	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	160606	53.964	ug/l	98
94) Hexachlorobutadiene	15.110	225	80698	49.725	ug/l	99
95) Naphthalene	15.232	128	424152	57.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	148463	54.689	ug/l	99

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

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