

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091923\
 Data File : VY015640.D
 Acq On : 19 Sep 2023 12:49
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/20/2023
 Supervised By :Semsettin Yesilyurt 09/20/2023

Quant Time: Sep 19 14:03:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 14:01:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	163878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	278190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	255562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	82139	45.554	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.100%		
35) Dibromofluoromethane	7.716	113	78447	47.114	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.220%		
50) Toluene-d8	10.179	98	252104	44.655	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.300%		
62) 4-Bromofluorobenzene	12.483	95	101566	45.843	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	58745	54.382	ug/l	100
3) Chloromethane	2.107	50	73841	54.184	ug/l	98
4) Vinyl Chloride	2.247	62	84794	54.419	ug/l	95
5) Bromomethane	2.643	94	66740	50.447	ug/l	94
6) Chloroethane	2.790	64	62175	53.835	ug/l	100
7) Trichlorofluoromethane	3.119	101	135960	52.030	ug/l	100
8) Diethyl Ether	3.527	74	58601	52.587	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.893	101	85608	52.323	ug/l	95
10) Methyl Iodide	4.088	142	99780	51.760	ug/l	98
11) Tert butyl alcohol	4.972	59	87482	233.803	ug/l #	80
12) 1,1-Dichloroethene	3.869	96	75450	52.333	ug/l	95
13) Acrolein	3.729	56	69638	252.180	ug/l	100
14) Allyl chloride	4.472	41	139789	53.030	ug/l	94
15) Acrylonitrile	5.161	53	205625	251.536	ug/l	98
16) Acetone	3.948	43	232937	241.399	ug/l	91
17) Carbon Disulfide	4.192	76	156185	55.764	ug/l	100
18) Methyl Acetate	4.478	43	165037	50.975	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	307840	52.425	ug/l	98
20) Methylene Chloride	4.716	84	107644	51.038	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	89393	54.246	ug/l	97
22) Diisopropyl ether	6.118	45	340074	53.607	ug/l	93
23) Vinyl Acetate	6.057	43	1032297	263.634	ug/l	96
24) 1,1-Dichloroethane	6.015	63	181909	52.608	ug/l	98
25) 2-Butanone	6.990	43	323341	237.068	ug/l	98
26) 2,2-Dichloropropane	6.978	77	153843	48.678	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	115814	52.938	ug/l	94
28) Bromochloromethane	7.332	49	47997	51.163	ug/l	100
29) Tetrahydrofuran	7.350	42	193151	250.552	ug/l	94
30) Chloroform	7.508	83	191558	51.731	ug/l	94
31) Cyclohexane	7.789	56	126540	50.660	ug/l	94
32) 1,1,1-Trichloroethane	7.703	97	160427	52.480	ug/l	99
36) 1,1-Dichloropropene	7.917	75	127534	51.802	ug/l	99
37) Ethyl Acetate	7.076	43	121958	49.664	ug/l	96
38) Carbon Tetrachloride	7.899	117	139002	52.015	ug/l	98
39) Methylcyclohexane	9.185	83	143370	52.651	ug/l	94
40) Benzene	8.161	78	394679	52.569	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	58751m	45.630	ug/l	
42) 1,2-Dichloroethane	8.240	62	132771	51.636	ug/l	94
43) Isopropyl Acetate	8.270	43	212482	50.654	ug/l	98
44) Trichloroethene	8.941	130	109410	52.176	ug/l	98
45) 1,2-Dichloropropane	9.215	63	110164	52.617	ug/l	98
46) Dibromomethane	9.307	93	69767	52.093	ug/l	94
47) Bromodichloromethane	9.496	83	155686	52.153	ug/l	98
48) Methyl methacrylate	9.295	41	94381	51.260	ug/l	90
49) 1,4-Dioxane	9.301	88	25783	974.470	ug/l #	48
51) 4-Methyl-2-Pentanone	10.069	43	656025	252.320	ug/l	94
52) Toluene	10.246	92	256045	52.900	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	168826	52.738	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	180237	52.305	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	100831	51.374	ug/l	95
56) Ethyl methacrylate	10.508	69	153516	53.076	ug/l #	88
57) 1,3-Dichloropropane	10.788	76	170708	51.866	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	221084	240.638	ug/l	97
59) 2-Hexanone	10.831	43	497336	249.325	ug/l	91
60) Dibromochloromethane	10.983	129	118888	51.891	ug/l	99
61) 1,2-Dibromoethane	11.087	107	97320	50.685	ug/l	100
64) Tetrachloroethene	10.721	164	113755	51.880	ug/l	96
65) Chlorobenzene	11.514	112	286171	51.299	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	113188	52.235	ug/l	99
67) Ethyl Benzene	11.593	91	512325	52.544	ug/l	99
68) m/p-Xylenes	11.703	106	389663	105.144	ug/l	97
69) o-Xylene	12.032	106	192180	52.884	ug/l	99
70) Styrene	12.044	104	332987	53.532	ug/l	97
71) Bromoform	12.209	173	82185	52.339	ug/l #	98
73) Isopropylbenzene	12.331	105	505463	51.529	ug/l	100
74) N-amyl acetate	12.142	43	192725	52.274	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	135503	49.634	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	108206m	49.408	ug/l	
77) Bromobenzene	12.611	156	122935	51.055	ug/l	94
78) n-propylbenzene	12.672	91	624440	52.399	ug/l	100
79) 2-Chlorotoluene	12.757	91	354885	52.243	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	428207	52.143	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	47620	51.405	ug/l	93
82) 4-Chlorotoluene	12.855	91	370806	52.290	ug/l	100
83) tert-Butylbenzene	13.074	119	374991	52.136	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	433067	52.705	ug/l	99
85) sec-Butylbenzene	13.251	105	565148	52.505	ug/l	100
86) p-Isopropyltoluene	13.367	119	474100	52.729	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	247528	51.817	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	246217	51.536	ug/l	99
89) n-Butylbenzene	13.696	91	447489	52.559	ug/l	97
90) Hexachloroethane	13.965	117	90359	52.072	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	228487	51.815	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	26282	48.472	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	145304	52.341	ug/l	98
94) Hexachlorobutadiene	15.111	225	75136	52.851	ug/l	98
95) Naphthalene	15.233	128	381282	52.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	133821	52.227	ug/l	99

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

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