

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091223\
 Data File : VY015527.D
 Acq On : 12 Sep 2023 22:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 13 05:59:24 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 09/13/2023
 Supervised By :Semsettin Yesilyurt 09/13/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	168343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	280389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	259484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	67172	37.222	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	74.440%		
35) Dibromofluoromethane	7.716	113	62164	38.492	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	76.980%		
50) Toluene-d8	10.179	98	217146	37.129	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	74.260%		
62) 4-Bromofluorobenzene	12.483	95	87361	40.237	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	71537	48.886	ug/l	98
3) Chloromethane	2.113	50	98330	50.597	ug/l	98
4) Vinyl Chloride	2.247	62	115610	51.109	ug/l	96
5) Bromomethane	2.637	94	93591	58.148	ug/l	98
6) Chloroethane	2.784	64	79925	53.755	ug/l	96
7) Trichlorofluoromethane	3.119	101	167517	52.354	ug/l	99
8) Diethyl Ether	3.527	74	62582	57.231	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	95800	54.019	ug/l	96
10) Methyl Iodide	4.088	142	100296	48.159	ug/l	97
11) Tert butyl alcohol	4.960	59	95620	239.205	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	90678	54.187	ug/l	94
13) Acrolein	3.728	56	81110	165.893	ug/l	100
14) Allyl chloride	4.478	41	146880	55.127	ug/l	96
15) Acrylonitrile	5.161	53	206689	300.383	ug/l	98
16) Acetone	3.948	43	167809	222.784	ug/l	92
17) Carbon Disulfide	4.192	76	243661	48.704	ug/l	97
18) Methyl Acetate	4.478	43	179371	65.746	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	320108	58.855	ug/l	99
20) Methylene Chloride	4.710	84	149630	64.667	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	105930	54.971	ug/l	97
22) Diisopropyl ether	6.124	45	338531	58.095	ug/l #	90
23) Vinyl Acetate	6.057	43	969338	263.465	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	193644	57.485	ug/l	97
25) 2-Butanone	6.984	43	301658	282.362	ug/l	95
26) 2,2-Dichloropropane	6.978	77	135462	47.346	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	126389	57.815	ug/l	93
28) Bromochloromethane	7.331	49	51858	50.201	ug/l	96
29) Tetrahydrofuran	7.350	42	199004	296.627	ug/l	93
30) Chloroform	7.508	83	204826	57.842	ug/l	98
31) Cyclohexane	7.783	56	158551	49.461	ug/l	94
32) 1,1,1-Trichloroethane	7.703	97	179455	56.736	ug/l	99
36) 1,1-Dichloropropene	7.917	75	148879	52.501	ug/l	98
37) Ethyl Acetate	7.075	43	121289	55.458	ug/l	95
38) Carbon Tetrachloride	7.898	117	159867	54.585	ug/l	99
39) Methylcyclohexane	9.185	83	178716	50.060	ug/l	93
40) Benzene	8.161	78	437109	55.249	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	60391m	58.884	ug/l	
42) 1,2-Dichloroethane	8.234	62	145440	55.129	ug/l	95
43) Isopropyl Acetate	8.270	43	217263	57.448	ug/l	98
44) Trichloroethene	8.941	130	126547	56.533	ug/l	97
45) 1,2-Dichloropropane	9.215	63	113523	56.920	ug/l	98
46) Dibromomethane	9.307	93	74366	56.133	ug/l	96
47) Bromodichloromethane	9.496	83	162839	57.476	ug/l	98
48) Methyl methacrylate	9.295	41	99462	57.321	ug/l	92
49) 1,4-Dioxane	9.295	88	29119	1183.313	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	659147	299.868	ug/l	94
52) Toluene	10.246	92	285083	56.220	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	164485	54.629	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	176471	53.878	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	106064	59.417	ug/l	94
56) Ethyl methacrylate	10.508	69	159415	60.264	ug/l	89
57) 1,3-Dichloropropane	10.788	76	176885	57.565	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	211815	224.332	ug/l	93
59) 2-Hexanone	10.831	43	488423	296.129	ug/l	91
60) Dibromochloromethane	10.983	129	124152	59.421	ug/l	99
61) 1,2-Dibromoethane	11.087	107	104832	57.957	ug/l	99
64) Tetrachloroethene	10.721	164	148594	63.091	ug/l	97
65) Chlorobenzene	11.520	112	310625	55.553	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	118958	58.125	ug/l	99
67) Ethyl Benzene	11.593	91	559755	55.750	ug/l	99
68) m/p-Xylenes	11.703	106	429333	110.317	ug/l	95
69) o-Xylene	12.032	106	207934	55.906	ug/l	98
70) Styrene	12.044	104	356219	56.960	ug/l	97
71) Bromoform	12.209	173	87909	61.576	ug/l #	97
73) Isopropylbenzene	12.331	105	548926	53.536	ug/l	100
74) N-amyl acetate	12.142	43	197740	57.403	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	132691	54.211	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	108954m	60.188	ug/l	
77) Bromobenzene	12.611	156	132516	54.568	ug/l	98
78) n-propylbenzene	12.672	91	655503	52.834	ug/l	99
79) 2-Chlorotoluene	12.757	91	371919	53.445	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	452186	52.725	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	39986	48.726	ug/l	98
82) 4-Chlorotoluene	12.855	91	385566	53.312	ug/l	100
83) tert-Butylbenzene	13.074	119	400035	53.255	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	452790	53.174	ug/l	98
85) sec-Butylbenzene	13.251	105	589221	52.590	ug/l	100
86) p-Isopropyltoluene	13.367	119	491967	52.391	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	256196	53.438	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	254870	52.591	ug/l	97
89) n-Butylbenzene	13.696	91	450371	50.957	ug/l	97
90) Hexachloroethane	13.958	117	91359	54.398	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	240162	54.891	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	27658	57.122	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	146185	53.203	ug/l	99
94) Hexachlorobutadiene	15.111	225	71209	47.527	ug/l	99
95) Naphthalene	15.233	128	395773	58.148	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	133897	53.425	ug/l	99

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

