

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090623\
 Data File : VY015456.D
 Acq On : 06 Sep 2023 18:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/07/2023
 Supervised By :Semsettin Yesilyurt 09/07/2023

Quant Time: Sep 06 19:01:28 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

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	207991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	335404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	308208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	99812	44.766	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.540%		
35) Dibromofluoromethane	7.710	113	89154	46.149	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.300%		
50) Toluene-d8	10.173	98	308391	44.081	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.160%		
62) 4-Bromofluorobenzene	12.477	95	125354	48.266	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	80407	44.473	ug/l	97
3) Chloromethane	2.107	50	97731	40.702	ug/l	99
4) Vinyl Chloride	2.241	62	111289	39.820	ug/l	96
5) Bromomethane	2.625	94	83925	42.203	ug/l	98
6) Chloroethane	2.778	64	75893	41.313	ug/l	97
7) Trichlorofluoromethane	3.107	101	169371	42.843	ug/l	99
8) Diethyl Ether	3.522	74	62823	46.500	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.881	101	98413	44.915	ug/l	96
10) Methyl Iodide	4.076	142	101104	39.293	ug/l	98
11) Tert butyl alcohol	4.948	59	108200	216.198	ug/l #	81
12) 1,1-Dichloroethene	3.851	96	90668	43.852	ug/l	91
13) Acrolein	3.717	56	137702	223.596	ug/l	99
14) Allyl chloride	4.460	41	147971	44.950	ug/l	97
15) Acrylonitrile	5.149	53	214216	251.976	ug/l	98
16) Acetone	3.936	43	186707	200.623	ug/l	96
17) Carbon Disulfide	4.180	76	240466	38.903	ug/l	99
18) Methyl Acetate	4.466	43	174730	51.836	ug/l	92
19) Methyl tert-butyl Ether	5.210	73	320146	47.641	ug/l	100
20) Methylene Chloride	4.698	84	117624	37.465	ug/l	92
21) trans-1,2-Dichloroethene	5.198	96	103096	43.302	ug/l	95
22) Diisopropyl ether	6.106	45	326269	45.317	ug/l	92
23) Vinyl Acetate	6.045	43	1047867	230.518	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	183333	44.050	ug/l	98
25) 2-Butanone	6.972	43	315998	239.401	ug/l	97
26) 2,2-Dichloropropane	6.972	77	157476	44.549	ug/l	100
27) cis-1,2-Dichloroethene	6.972	96	121636	45.034	ug/l	95
28) Bromochloromethane	7.320	49	56847	44.541	ug/l	93
29) Tetrahydrofuran	7.338	42	209308	252.514	ug/l	92
30) Chloroform	7.496	83	198167	45.294	ug/l	99
31) Cyclohexane	7.771	56	158816	40.099	ug/l	94
32) 1,1,1-Trichloroethane	7.691	97	177320	45.375	ug/l	99
36) 1,1-Dichloropropene	7.905	75	146250	43.115	ug/l	98
37) Ethyl Acetate	7.064	43	127150	48.602	ug/l #	95
38) Carbon Tetrachloride	7.887	117	157641	44.996	ug/l	97
39) Methylcyclohexane	9.173	83	182135	42.649	ug/l	93
40) Benzene	8.149	78	420218	44.402	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	69498m	56.649	ug/l	
42) 1,2-Dichloroethane	8.228	62	143382	45.434	ug/l	95
43) Isopropyl Acetate	8.265	43	223071	49.309	ug/l	97
44) Trichloroethene	8.929	130	120868	45.139	ug/l	98
45) 1,2-Dichloropropane	9.210	63	106977	44.840	ug/l	99
46) Dibromomethane	9.301	93	72710	45.880	ug/l	97
47) Bromodichloromethane	9.490	83	156964	46.315	ug/l	97
48) Methyl methacrylate	9.289	41	99662	48.015	ug/l	93
49) 1,4-Dioxane	9.289	88	32819	1114.914	ug/l #	54
51) 4-Methyl-2-Pentanone	10.063	43	669806	254.736	ug/l	94
52) Toluene	10.240	92	274499	45.253	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	170015	47.204	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	182308	46.531	ug/l	93
55) 1,1,2-Trichloroethane	10.636	97	101358	47.467	ug/l	96
56) Ethyl methacrylate	10.502	69	156869	49.574	ug/l	90
57) 1,3-Dichloropropane	10.782	76	171906	46.768	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	270454	239.454	ug/l	93
59) 2-Hexanone	10.825	43	502003	254.439	ug/l	91
60) Dibromochloromethane	10.977	129	120928	48.385	ug/l	97
61) 1,2-Dibromoethane	11.081	107	104282	48.196	ug/l	99
64) Tetrachloroethene	10.715	164	136890	48.933	ug/l	97
65) Chlorobenzene	11.508	112	300232	45.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	114645	47.162	ug/l	98
67) Ethyl Benzene	11.587	91	553373	46.402	ug/l	99
68) m/p-Xylenes	11.697	106	419132	90.670	ug/l	96
69) o-Xylene	12.026	106	207640	47.001	ug/l	97
70) Styrene	12.038	104	349017	46.986	ug/l	98
71) Bromoform	12.203	173	86235	50.855	ug/l #	99
73) Isopropylbenzene	12.325	105	546035	44.073	ug/l	99
74) N-amyl acetate	12.136	43	197169	47.370	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.575	83	135770	45.906	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	116325m	53.182	ug/l	
77) Bromobenzene	12.605	156	132072	45.009	ug/l	97
78) n-propylbenzene	12.666	91	650537	43.394	ug/l	99
79) 2-Chlorotoluene	12.752	91	366630	43.603	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	467484	45.112	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	52003	52.445	ug/l	92
82) 4-Chlorotoluene	12.849	91	382429	43.762	ug/l	98
83) tert-Butylbenzene	13.069	119	416092	45.843	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	469411	45.622	ug/l	98
85) sec-Butylbenzene	13.251	105	609993	45.058	ug/l	99
86) p-Isopropyltoluene	13.367	119	510779	45.017	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	260983	45.052	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	261335	44.628	ug/l	99
89) n-Butylbenzene	13.690	91	490363	45.917	ug/l	96
90) Hexachloroethane	13.959	117	92343	45.505	ug/l	90
91) 1,2-Dichlorobenzene	13.733	146	242076	45.790	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	30093	51.436	ug/l	92
93) 1,2,4-Trichlorobenzene	15.001	180	157929	47.569	ug/l	99
94) Hexachlorobutadiene	15.111	225	86162	47.594	ug/l	97
95) Naphthalene	15.233	128	695559	84.575	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	147786	48.801	ug/l	99

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

