

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092122\
 Data File : VY010591.D
 Acq On : 21 Sep 2022 10:15
 Operator : KP/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 21 15:33:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/22/2022
 Supervised By :Mahesh Dadoda 09/22/2022

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	245842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	389075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	350643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	130193	55.368	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.740%			
35) Dibromofluoromethane	7.716	113	121970	49.120	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.240%			
50) Toluene-d8	10.179	98	487595	52.937	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.880%			
62) 4-Bromofluorobenzene	12.483	95	160413	46.934	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	52995	46.708	ug/l	99
3) Chloromethane	2.113	50	85207	50.936	ug/l	96
4) Vinyl Chloride	2.247	62	106312	48.529	ug/l	99
5) Bromomethane	2.643	94	71491	48.341	ug/l	99
6) Chloroethane	2.790	64	77334	44.655	ug/l	100
7) Trichlorofluoromethane	3.119	101	146477	45.345	ug/l	93
8) Diethyl Ether	3.527	74	52231	47.158	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	90140	46.365	ug/l	96
10) Methyl Iodide	4.088	142	100645	44.813	ug/l	92
11) Tert butyl alcohol	4.942	59	58905	281.347	ug/l	97
12) 1,1-Dichloroethene	3.863	96	78487	45.212	ug/l	85
13) Acrolein	3.723	56	32603	298.058	ug/l	99
14) Allyl chloride	4.472	41	126823	48.457	ug/l #	94
15) Acrylonitrile	5.155	53	151741	263.962	ug/l	97
16) Acetone	3.942	43	145918	304.303	ug/l	90
17) Carbon Disulfide	4.186	76	157446	46.258	ug/l	100
18) Methyl Acetate	4.472	43	69633	51.389	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	268766	49.659	ug/l	97
20) Methylene Chloride	4.710	84	108357	40.083	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	89901	46.020	ug/l	87
22) Diisopropyl ether	6.112	45	322626	52.222	ug/l #	93
23) Vinyl Acetate	6.051	43	995606	272.796	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	183002	49.354	ug/l	99
25) 2-Butanone	6.978	43	211544	282.045	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	175510	49.223	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	117113	48.120	ug/l	92
28) Bromochloromethane	7.326	49	98906	56.159	ug/l	86
29) Tetrahydrofuran	7.344	42	123155	267.338	ug/l #	86
30) Chloroform	7.502	83	199413	49.710	ug/l	99
31) Cyclohexane	7.783	56	131086	49.600	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	173444	48.580	ug/l	97
36) 1,1-Dichloropropene	7.917	75	131579	47.558	ug/l	97
37) Ethyl Acetate	7.069	43	84658	52.976	ug/l #	94
38) Carbon Tetrachloride	7.893	117	152435	47.918	ug/l	98
39) Methylcyclohexane	9.179	83	143615	44.350	ug/l	92
40) Benzene	8.155	78	397686	48.217	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	50033m	61.384	ug/l	
42) 1,2-Dichloroethane	8.234	62	126850	49.945	ug/l	94
43) Isopropyl Acetate	8.270	43	153687	52.466	ug/l #	92
44) Trichloroethene	8.935	130	109906	46.549	ug/l	94
45) 1,2-Dichloropropane	9.215	63	107835	50.539	ug/l	98
46) Dibromomethane	9.301	93	61159	48.810	ug/l	98
47) Bromodichloromethane	9.496	83	157191	50.807	ug/l	99
48) Methyl methacrylate	9.289	41	68368	52.872	ug/l #	85
49) 1,4-Dioxane	9.289	88	18247	990.322	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	458141	277.023	ug/l	90
52) Toluene	10.246	92	258052	47.817	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	156122	49.906	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	174493	50.029	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	93748	50.866	ug/l	99
56) Ethyl methacrylate	10.508	69	123713	51.814	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	154616	50.645	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	353012	260.254	ug/l	95
59) 2-Hexanone	10.831	43	321636	286.932	ug/l	88
60) Dibromochloromethane	10.983	129	114343	50.696	ug/l	99
61) 1,2-Dibromoethane	11.087	107	85203	49.380	ug/l	98
64) Tetrachloroethene	10.721	164	106616	45.517	ug/l	99
65) Chlorobenzene	11.514	112	294213	48.524	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	118152	50.018	ug/l	97
67) Ethyl Benzene	11.593	91	521233	48.955	ug/l	98
68) m/p-Xylenes	11.703	106	403018	97.710	ug/l	93
69) o-Xylene	12.032	106	196584	48.885	ug/l	93
70) Styrene	12.044	104	339145	49.645	ug/l	96
71) Bromoform	12.209	173	73119	49.849	ug/l #	100
73) Isopropylbenzene	12.331	105	529459	49.716	ug/l	100
74) N-amyl acetate	12.142	43	140598	54.442	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	111873	51.551	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	88197m	53.626	ug/l	
77) Bromobenzene	12.605	156	125157	49.393	ug/l	97
78) n-propylbenzene	12.672	91	635955	50.133	ug/l	99
79) 2-Chlorotoluene	12.757	91	355988	49.252	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	446216	49.588	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	38424	51.945	ug/l	90
82) 4-Chlorotoluene	12.855	91	371955	49.835	ug/l	98
83) tert-Butylbenzene	13.075	119	397429	49.384	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	443122	49.569	ug/l	98
85) sec-Butylbenzene	13.251	105	588680	49.946	ug/l	100
86) p-Isopropyltoluene	13.367	119	492936	50.047	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	251899	48.978	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	250284	49.169	ug/l	99
89) n-Butylbenzene	13.696	91	455755	50.406	ug/l	99
90) Hexachloroethane	13.958	117	96101	50.818	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	227342	49.622	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18382	50.761	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	134947	48.285	ug/l	98
94) Hexachlorobutadiene	15.111	225	79714	46.927	ug/l	98
95) Naphthalene	15.239	128	283156	50.282	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	119508	49.109	ug/l	99

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

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