

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080323\
 Data File : VY014945.D
 Acq On : 03 Aug 2023 11:27
 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: Aug 04 04:30:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2023
 Supervised By :Semsettin Yesilyurt 08/04/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	287003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	475972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	424886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	215443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	173801	53.142	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.280%			
35) Dibromofluoromethane	7.715	113	162745	53.713	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.420%			
50) Toluene-d8	10.178	98	556258	49.796	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.600%			
62) 4-Bromofluorobenzene	12.477	95	207642	48.478	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	95784	40.964	ug/l	97
3) Chloromethane	2.113	50	129774	49.373	ug/l	98
4) Vinyl Chloride	2.247	62	162427	55.294	ug/l	97
5) Bromomethane	2.637	94	122595	63.152	ug/l	98
6) Chloroethane	2.790	64	114656	62.486	ug/l	96
7) Trichlorofluoromethane	3.119	101	255722	51.833	ug/l	97
8) Diethyl Ether	3.527	74	93596	50.988	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	154295	51.024	ug/l	95
10) Methyl Iodide	4.088	142	182809	56.695	ug/l	98
11) Tert butyl alcohol	4.954	59	169652	251.518	ug/l #	86
12) 1,1-Dichloroethene	3.869	96	140614	49.753	ug/l	91
13) Acrolein	3.728	56	45836	134.089	ug/l	99
14) Allyl chloride	4.478	41	229782	45.790	ug/l	96
15) Acrylonitrile	5.155	53	285967	282.509	ug/l	98
16) Acetone	3.942	43	305929	295.189	ug/l	93
17) Carbon Disulfide	4.192	76	328100	40.549	ug/l	100
18) Methyl Acetate	4.478	43	224950	56.560	ug/l #	91
19) Methyl tert-butyl Ether	5.216	73	497885	54.232	ug/l	100
20) Methylene Chloride	4.710	84	181477	54.262	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	160193	49.946	ug/l	96
22) Diisopropyl ether	6.118	45	515345	50.512	ug/l	92
23) Vinyl Acetate	6.057	43	1548196	253.578	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	303161	51.932	ug/l	97
25) 2-Butanone	6.984	43	427071	281.668	ug/l	95
26) 2,2-Dichloropropane	6.978	77	291555	52.404	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	200687	53.756	ug/l	94
28) Bromochloromethane	7.331	49	130600	51.946	ug/l	90
29) Tetrahydrofuran	7.350	42	250165	267.951	ug/l	90
30) Chloroform	7.502	83	328810	54.622	ug/l	97
31) Cyclohexane	7.783	56	224329	41.320	ug/l	91
32) 1,1,1-Trichloroethane	7.703	97	288263	53.205	ug/l	99
36) 1,1-Dichloropropene	7.917	75	221705	48.929	ug/l	99
37) Ethyl Acetate	7.075	43	166319	53.313	ug/l #	95
38) Carbon Tetrachloride	7.898	117	252942	52.808	ug/l	98
39) Methylcyclohexane	9.185	83	270412	45.807	ug/l	92
40) Benzene	8.161	78	660470	51.252	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	74523m	46.442	ug/l	
42) 1,2-Dichloroethane	8.234	62	221114	54.183	ug/l	96
43) Isopropyl Acetate	8.270	43	308907	51.981	ug/l	97
44) Trichloroethene	8.941	130	191211	53.031	ug/l	95
45) 1,2-Dichloropropane	9.215	63	176387	52.417	ug/l	96
46) Dibromomethane	9.307	93	109807	53.790	ug/l	96
47) Bromodichloromethane	9.496	83	259060	53.843	ug/l	98
48) Methyl methacrylate	9.294	41	135409	50.638	ug/l	92
49) 1,4-Dioxane	9.301	88	35349	1061.948	ug/l #	60
51) 4-Methyl-2-Pentanone	10.069	43	864441	277.047	ug/l	93
52) Toluene	10.246	92	428937	52.016	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	270687	51.433	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	294281	51.419	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	157358	55.337	ug/l	97
56) Ethyl methacrylate	10.508	69	227589	52.419	ug/l	90
57) 1,3-Dichloropropane	10.788	76	260996	53.214	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	500967	247.636	ug/l	93
59) 2-Hexanone	10.831	43	639662	281.119	ug/l	92
60) Dibromochloromethane	10.983	129	192083	55.094	ug/l	100
61) 1,2-Dibromoethane	11.087	107	153588	54.142	ug/l	100
64) Tetrachloroethene	10.721	164	187905	54.988	ug/l	96
65) Chlorobenzene	11.514	112	481192	53.146	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	185592	54.365	ug/l	99
67) Ethyl Benzene	11.593	91	845099	51.696	ug/l	98
68) m/p-Xylenes	11.703	106	642275	102.925	ug/l	95
69) o-Xylene	12.026	106	318957	52.477	ug/l	97
70) Styrene	12.044	104	541651	52.875	ug/l	97
71) Bromoform	12.209	173	129649	56.028	ug/l #	98
73) Isopropylbenzene	12.331	105	842877	49.965	ug/l	100
74) N-amyl acetate	12.142	43	272091	48.159	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.580	83	197501	51.340	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	146301m	53.768	ug/l	
77) Bromobenzene	12.605	156	199750	51.874	ug/l	98
78) n-propylbenzene	12.666	91	992103	48.806	ug/l	99
79) 2-Chlorotoluene	12.757	91	571312	48.795	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	701183	49.771	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	64325	45.772	ug/l	97
82) 4-Chlorotoluene	12.855	91	586217	48.615	ug/l	100
83) tert-Butylbenzene	13.074	119	621907	49.764	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	692851	50.112	ug/l	99
85) sec-Butylbenzene	13.251	105	910509	49.666	ug/l	100
86) p-Isopropyltoluene	13.367	119	762023	50.910	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	396957	52.967	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	392117	52.212	ug/l	99
89) n-Butylbenzene	13.696	91	705593	48.453	ug/l	96
90) Hexachloroethane	13.958	117	148646	48.349	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	362352	52.772	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	37408	50.848	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	229245	52.595	ug/l	99
94) Hexachlorobutadiene	15.111	225	118737	49.572	ug/l	99
95) Naphthalene	15.232	128	545222	53.691	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	203318	52.486	ug/l	98

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

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