

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016120.D
 Acq On : 27 Oct 2023 21:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/30/2023
 Supervised By :Semsettin Yesilyurt 10/30/2023

Quant Time: Oct 30 09:19:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	243775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	405421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	363957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	127168	52.462	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.920%			
35) Dibromofluoromethane	7.728	113	125897	49.190	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.380%			
50) Toluene-d8	10.185	98	461177	48.645	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.280%			
62) 4-Bromofluorobenzene	12.483	95	170105	52.307	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	79859	47.467	ug/l	97
3) Chloromethane	2.119	50	90944	44.114	ug/l	98
4) Vinyl Chloride	2.253	62	103106	43.779	ug/l	97
5) Bromomethane	2.650	94	81320	46.454	ug/l	100
6) Chloroethane	2.796	64	73062	45.290	ug/l	96
7) Trichlorofluoromethane	3.131	101	179723	47.685	ug/l	100
8) Diethyl Ether	3.534	74	65539	51.882	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.906	101	106484	46.834	ug/l	97
10) Methyl Iodide	4.095	142	146738	50.510	ug/l	96
11) Tert butyl alcohol	4.966	59	59957	226.342	ug/l #	81
12) 1,1-Dichloroethene	3.875	96	99731	47.877	ug/l	90
13) Acrolein	3.735	56	60931	201.819	ug/l	100
14) Allyl chloride	4.485	41	151206	46.435	ug/l #	94
15) Acrylonitrile	5.174	53	165377	266.865	ug/l	98
16) Acetone	3.954	43	118815	180.840	ug/l	93
17) Carbon Disulfide	4.198	76	269102	46.702	ug/l	99
18) Methyl Acetate	4.485	43	127724	54.983	ug/l #	90
19) Methyl tert-butyl Ether	5.228	73	324877	54.689	ug/l	99
20) Methylene Chloride	4.722	84	141451	55.999	ug/l	88
21) trans-1,2-Dichloroethene	5.228	96	118617	49.124	ug/l	92
22) Diisopropyl ether	6.125	45	353640	49.666	ug/l	92
23) Vinyl Acetate	6.070	43	967880	253.705	ug/l #	92
24) 1,1-Dichloroethane	6.027	63	212781	49.602	ug/l	96
25) 2-Butanone	6.990	43	211351	238.344	ug/l	91
26) 2,2-Dichloropropane	6.990	77	182570	45.782	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	142738	50.335	ug/l	92
28) Bromochloromethane	7.344	49	83356	47.497	ug/l	87
29) Tetrahydrofuran	7.356	42	137961	271.160	ug/l	88
30) Chloroform	7.515	83	229371	50.616	ug/l	94
31) Cyclohexane	7.795	56	168571	44.204	ug/l	89
32) 1,1,1-Trichloroethane	7.710	97	199996	49.203	ug/l	98
36) 1,1-Dichloropropene	7.923	75	161508	45.270	ug/l	99
37) Ethyl Acetate	7.076	43	94767	51.824	ug/l #	93
38) Carbon Tetrachloride	7.905	117	178283	47.256	ug/l	97
39) Methylcyclohexane	9.191	83	202840	46.670	ug/l	91
40) Benzene	8.167	78	499207	49.423	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	48328m	50.499	ug/l	
42) 1,2-Dichloroethane	8.246	62	148309	50.815	ug/l	93
43) Isopropyl Acetate	8.277	43	181799	53.172	ug/l #	92
44) Trichloroethene	8.947	130	137201	48.645	ug/l	97
45) 1,2-Dichloropropane	9.222	63	123594	48.346	ug/l	96
46) Dibromomethane	9.313	93	75735	50.525	ug/l	99
47) Bromodichloromethane	9.502	83	182000	50.205	ug/l	96
48) Methyl methacrylate	9.295	41	81740	51.893	ug/l #	86
49) 1,4-Dioxane	9.301	88	21102	1125.207	ug/l #	52
51) 4-Methyl-2-Pentanone	10.075	43	482984	267.713	ug/l	91
52) Toluene	10.246	92	332451	51.256	ug/l	94
53) t-1,3-Dichloropropene	10.471	75	186748	50.377	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	207935	49.600	ug/l	89
55) 1,1,2-Trichloroethane	10.648	97	105641	49.603	ug/l	97
56) Ethyl methacrylate	10.514	69	150053	54.823	ug/l #	85
57) 1,3-Dichloropropane	10.795	76	179212	50.339	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	356218	261.426	ug/l	91
59) 2-Hexanone	10.837	43	342254	257.534	ug/l	89
60) Dibromochloromethane	10.990	129	133715	51.271	ug/l	100
61) 1,2-Dibromoethane	11.093	107	105444	51.705	ug/l	100
64) Tetrachloroethene	10.721	164	128169	53.215	ug/l	96
65) Chlorobenzene	11.520	112	343448	48.019	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	133167	49.856	ug/l	99
67) Ethyl Benzene	11.599	91	616845	48.555	ug/l	99
68) m/p-Xylenes	11.709	106	490016	99.671	ug/l	95
69) o-Xylene	12.032	106	240071	51.007	ug/l	96
70) Styrene	12.050	104	403334	51.409	ug/l	96
71) Bromoform	12.215	173	85974	52.841	ug/l #	100
73) Isopropylbenzene	12.331	105	603137	47.398	ug/l	99
74) N-amyl acetate	12.148	43	174765	56.325	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.587	83	130472	50.158	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	89327m	48.389	ug/l	
77) Bromobenzene	12.611	156	148496	50.002	ug/l	96
78) n-propylbenzene	12.672	91	719774	46.716	ug/l	98
79) 2-Chlorotoluene	12.758	91	414506	48.036	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	518111	49.041	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	43096	50.732	ug/l	92
82) 4-Chlorotoluene	12.861	91	425920	47.595	ug/l	99
83) tert-Butylbenzene	13.081	119	459061	48.883	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	533816	51.160	ug/l	98
85) sec-Butylbenzene	13.258	105	661898	47.322	ug/l	99
86) p-Isopropyltoluene	13.373	119	559073	47.902	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	288394	48.092	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	286798	48.391	ug/l	99
89) n-Butylbenzene	13.696	91	519460	47.713	ug/l	96
90) Hexachloroethane	13.965	117	106294	46.779	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	262318	49.406	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	22516	55.136	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	166096	50.566	ug/l	97
94) Hexachlorobutadiene	15.117	225	91812	48.159	ug/l	97
95) Naphthalene	15.239	128	932005	145.488	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	147892	52.209	ug/l	98

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

