

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011036.D
 Acq On : 20 Oct 2022 19:22
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/21/2022
 Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 20 22:26:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	316199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	511499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	453903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	223937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	128944	44.270	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.540%		
35) Dibromofluoromethane	7.716	113	138853	48.641	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.280%		
50) Toluene-d8	10.179	98	476480	44.614	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.220%		
62) 4-Bromofluorobenzene	12.477	95	184226	48.610	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.220%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	93602	44.628	ug/l	99
3) Chloromethane	2.113	50	124345	41.324	ug/l	95
4) Vinyl Chloride	2.247	62	150601	44.158	ug/l	98
5) Bromomethane	2.644	94	106298	45.063	ug/l	98
6) Chloroethane	2.790	64	105672	46.366	ug/l	99
7) Trichlorofluoromethane	3.125	101	240426	48.163	ug/l	94
8) Diethyl Ether	3.528	74	91804	49.282	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.893	101	154824	49.446	ug/l	95
10) Methyl Iodide	4.088	142	197324	51.501	ug/l	90
11) Tert butyl alcohol	4.948	59	74107	223.730	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	143140	47.721	ug/l	81
13) Acrolein	3.723	56	80214	170.830	ug/l	97
14) Allyl chloride	4.473	41	220252	46.304	ug/l #	87
15) Acrylonitrile	5.155	53	231189	238.090	ug/l	97
16) Acetone	3.942	43	165808	196.030	ug/l #	85
17) Carbon Disulfide	4.192	76	346104	39.359	ug/l	100
18) Methyl Acetate	4.473	43	109619	45.835	ug/l #	85
19) Methyl tert-butyl Ether	5.216	73	440470	52.558	ug/l	96
20) Methylene Chloride	4.710	84	187321	50.937	ug/l #	81
21) trans-1,2-Dichloroethene	5.216	96	165371	48.836	ug/l	89
22) Diisopropyl ether	6.112	45	515698	50.622	ug/l #	90
23) Vinyl Acetate	6.058	43	1534671	251.921	ug/l #	90
24) 1,1-Dichloroethane	6.015	63	308665	50.183	ug/l	98
25) 2-Butanone	6.978	43	282382	220.144	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	270421	49.510	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	204630	52.433	ug/l	87
28) Bromochloromethane	7.332	49	109851	50.372	ug/l #	77
29) Tetrahydrofuran	7.344	42	181397	229.853	ug/l #	81
30) Chloroform	7.502	83	325136	52.439	ug/l	100
31) Cyclohexane	7.783	56	239199	42.916	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	281134	51.584	ug/l	95
36) 1,1-Dichloropropene	7.917	75	227256	47.727	ug/l	97
37) Ethyl Acetate	7.070	43	125177	47.483	ug/l #	91
38) Carbon Tetrachloride	7.899	117	250034	50.869	ug/l	100
39) Methylcyclohexane	9.179	83	276073	48.407	ug/l	89
40) Benzene	8.155	78	689180	49.329	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	72705	50.893	ug/l #	40
42) 1,2-Dichloroethane	8.234	62	197676	51.064	ug/l	90
43) Isopropyl Acetate	8.271	43	232278	49.314	ug/l #	86
44) Trichloroethene	8.935	130	193635	51.144	ug/l	97
45) 1,2-Dichloropropane	9.216	63	179787	50.719	ug/l	97
46) Dibromomethane	9.301	93	102489	51.838	ug/l	98
47) Bromodichloromethane	9.496	83	251962	52.884	ug/l	100
48) Methyl methacrylate	9.289	41	105628	50.109	ug/l #	80
49) 1,4-Dioxane	9.289	88	28692	1010.050	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	638840	243.201	ug/l #	86
52) Toluene	10.240	92	443454	51.092	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	256872	51.898	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	292385	51.621	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	153307	53.750	ug/l	97
56) Ethyl methacrylate	10.508	69	204698	54.036	ug/l #	75
57) 1,3-Dichloropropane	10.788	76	251652	51.316	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	481381	256.369	ug/l	94
59) 2-Hexanone	10.831	43	436045	241.659	ug/l	83
60) Dibromochloromethane	10.984	129	183034	53.968	ug/l	99
61) 1,2-Dibromoethane	11.087	107	142073	52.015	ug/l	100
64) Tetrachloroethene	10.715	164	186804	52.868	ug/l	98
65) Chlorobenzene	11.514	112	489336	52.510	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	187935	54.486	ug/l	98
67) Ethyl Benzene	11.593	91	870737	52.816	ug/l	98
68) m/p-Xylenes	11.697	106	674313	106.326	ug/l	93
69) o-Xylene	12.026	106	328578	54.563	ug/l	93
70) Styrene	12.044	104	558618	54.746	ug/l	95
71) Bromoform	12.203	173	117746	55.313	ug/l #	98
73) Isopropylbenzene	12.325	105	878812	54.016	ug/l	100
74) N-amyl acetate	12.142	43	213297	51.672	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	171997	50.373	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	123454m	48.558	ug/l	
77) Bromobenzene	12.605	156	204211	53.697	ug/l	96
78) n-propylbenzene	12.666	91	1082252	54.674	ug/l	98
79) 2-Chlorotoluene	12.752	91	592378	53.139	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	725125	53.417	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	59862	50.640	ug/l #	85
82) 4-Chlorotoluene	12.849	91	610243	52.576	ug/l	99
83) tert-Butylbenzene	13.075	119	655281	55.823	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	724513	54.126	ug/l	98
85) sec-Butylbenzene	13.251	105	960036	54.426	ug/l	99
86) p-Isopropyltoluene	13.367	119	797337	54.488	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	400983	52.832	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	396761	52.576	ug/l	99
89) n-Butylbenzene	13.697	91	773379	56.558	ug/l	98
90) Hexachloroethane	13.959	117	159613	55.270	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	361365	53.216	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	28619	50.694	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	229207	56.477	ug/l	98
94) Hexachlorobutadiene	15.111	225	133011	55.680	ug/l	98
95) Naphthalene	15.233	128	476218	57.618	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	198784	56.145	ug/l	98

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

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