

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011859.D
 Acq On : 14 Dec 2022 20:28
 Operator : KP/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 :Krupa Patel 12/15/2022
 Supervised By :Mahesh Dadoda 12/15/2022

Quant Time: Dec 15 01:24:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	193172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	299160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	278251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	67670	51.478	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.960%			
35) Dibromofluoromethane	7.716	113	70816	53.556	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.120%			
50) Toluene-d8	10.179	98	214284	49.046	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.100%			
62) 4-Bromofluorobenzene	12.483	95	93850	54.522	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	41256	47.903	ug/l	99
3) Chloromethane	2.113	50	55821	54.410	ug/l	96
4) Vinyl Chloride	2.253	62	62176	50.405	ug/l	97
5) Bromomethane	2.650	94	46170	56.193	ug/l	98
6) Chloroethane	2.796	64	46353	48.390	ug/l	98
7) Trichlorofluoromethane	3.125	101	123284	46.427	ug/l	100
8) Diethyl Ether	3.534	74	49320	53.025	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	74737	47.147	ug/l	99
10) Methyl Iodide	4.094	142	92476	49.826	ug/l	97
11) Tert butyl alcohol	4.954	59	54617	346.726	ug/l	97
12) 1,1-Dichloroethene	3.869	96	69047	48.298	ug/l	98
13) Acrolein	3.729	56	70030	257.165	ug/l	98
14) Allyl chloride	4.479	41	121702	51.249	ug/l	99
15) Acrylonitrile	5.161	53	154354	309.179	ug/l	100
16) Acetone	3.942	43	131275	248.880	ug/l	96
17) Carbon Disulfide	4.198	76	147952	45.317	ug/l	100
18) Methyl Acetate	4.479	43	72923	58.352	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	260614	58.222	ug/l	99
20) Methylene Chloride	4.716	84	115734	63.187	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	80192	49.908	ug/l	96
22) Diisopropyl ether	6.119	45	294105	56.765	ug/l	98
23) Vinyl Acetate	6.058	43	919115	310.956	ug/l	100
24) 1,1-Dichloroethane	6.021	63	164151	52.138	ug/l	100
25) 2-Butanone	6.984	43	200072	294.883	ug/l	98
26) 2,2-Dichloropropane	6.984	77	145805	49.223	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	105944	53.948	ug/l	99
28) Bromochloromethane	7.332	49	63833	55.690	ug/l	100
29) Tetrahydrofuran	7.344	42	125973	326.210	ug/l	100
30) Chloroform	7.508	83	186107	55.292	ug/l	99
31) Cyclohexane	7.783	56	114420	50.914	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	155290	51.732	ug/l	99
36) 1,1-Dichloropropene	7.917	75	114884	50.606	ug/l	99
37) Ethyl Acetate	7.076	43	82905	62.465	ug/l	99
38) Carbon Tetrachloride	7.899	117	138528	51.948	ug/l	99
39) Methylcyclohexane	9.185	83	123434	48.323	ug/l	99
40) Benzene	8.161	78	359720	53.041	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	36585m	54.604	ug/l	
42) 1,2-Dichloroethane	8.234	62	119836	57.140	ug/l	99
43) Isopropyl Acetate	8.271	43	148085	61.532	ug/l	98
44) Trichloroethene	8.941	130	100206	52.757	ug/l	99
45) 1,2-Dichloropropane	9.216	63	96304	54.865	ug/l	97
46) Dibromomethane	9.307	93	56944	57.954	ug/l	100
47) Bromodichloromethane	9.496	83	144745	57.022	ug/l	99
48) Methyl methacrylate	9.295	41	67089	63.241	ug/l	99
49) 1,4-Dioxane	9.301	88	18189	1336.255	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	443835	334.698	ug/l	99
52) Toluene	10.246	92	235224	54.558	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	143922	56.763	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	159112	55.853	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	86765	59.745	ug/l	98
56) Ethyl methacrylate	10.508	69	117469	62.660	ug/l	99
57) 1,3-Dichloropropane	10.788	76	143034	59.086	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	268081	308.385	ug/l	99
59) 2-Hexanone	10.831	43	314891	332.351	ug/l	100
60) Dibromochloromethane	10.983	129	108552	59.679	ug/l	99
61) 1,2-Dibromoethane	11.087	107	77826	59.154	ug/l	100
64) Tetrachloroethene	10.721	164	104771	53.220	ug/l	96
65) Chlorobenzene	11.514	112	263733	52.603	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	108284	55.673	ug/l	100
67) Ethyl Benzene	11.593	91	459372	52.000	ug/l	100
68) m/p-Xylenes	11.703	106	354572	104.806	ug/l	99
69) o-Xylene	12.032	106	176329	54.680	ug/l	98
70) Styrene	12.044	104	304419	55.310	ug/l	99
71) Bromoform	12.209	173	72242	60.217	ug/l #	100
73) Isopropylbenzene	12.331	105	467467	51.070	ug/l	100
74) N-amyl acetate	12.142	43	127292	57.840	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	102771	57.651	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	81247m	56.841	ug/l	
77) Bromobenzene	12.611	156	114091	53.384	ug/l	99
78) n-propylbenzene	12.672	91	553586	50.466	ug/l	99
79) 2-Chlorotoluene	12.758	91	321523	51.358	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	402076	51.968	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	35941	57.058	ug/l	98
82) 4-Chlorotoluene	12.855	91	332940	51.274	ug/l	100
83) tert-Butylbenzene	13.075	119	351503	52.175	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	400548	52.580	ug/l	98
85) sec-Butylbenzene	13.251	105	509179	50.750	ug/l	99
86) p-Isopropyltoluene	13.367	119	429505	51.435	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	223924	52.064	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	220416	51.564	ug/l	100
89) n-Butylbenzene	13.696	91	388498	51.178	ug/l	100
90) Hexachloroethane	13.959	117	82889	49.954	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	208080	53.763	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18722	60.239	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	122635	54.327	ug/l	99
94) Hexachlorobutadiene	15.111	225	72039	50.227	ug/l	99
95) Naphthalene	15.239	128	276189	63.171	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	109328	56.071	ug/l	99

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

