

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030322\
 Data File : VY007716.D
 Acq On : 03 Mar 2022 19:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 04 00:44:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/04/2022
 Supervised By : Mahesh Dadoda 03/04/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	560468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	849312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	758106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	384126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	235771	40.182	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.360%		
35) Dibromofluoromethane	7.716	113	236333	43.524	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.040%		
50) Toluene-d8	10.179	98	804120	40.230	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	80.460%		
62) 4-Bromofluorobenzene	12.483	95	288989	44.853	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	208133	57.216	ug/l	100
3) Chloromethane	2.113	50	288643	50.172	ug/l	93
4) Vinyl Chloride	2.253	62	405075	48.176	ug/l	99
5) Bromomethane	2.650	94	342092	50.340	ug/l	100
6) Chloroethane	2.796	64	287530	44.591	ug/l	98
7) Trichlorofluoromethane	3.125	101	516508	53.765	ug/l	95
8) Diethyl Ether	3.534	74	174394	56.416	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.899	101	310390	52.929	ug/l	96
10) Methyl Iodide	4.094	142	322449	45.193	ug/l	91
11) Tert butyl alcohol	4.954	59	133558	262.905	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	269975	51.873	ug/l	86
13) Acrolein	3.735	56	92543	208.237	ug/l	100
14) Allyl chloride	4.478	41	374468	47.835	ug/l #	91
15) Acrylonitrile	5.161	53	409007	250.665	ug/l	98
16) Acetone	3.948	43	291643	244.333	ug/l #	89
17) Carbon Disulfide	4.198	76	639413	50.874	ug/l	98
18) Methyl Acetate	4.478	43	167394	47.667	ug/l #	85
19) Methyl tert-butyl Ether	5.222	73	862864	53.417	ug/l	96
20) Methylene Chloride	4.716	84	327512	57.829	ug/l #	81
21) trans-1,2-Dichloroethene	5.216	96	303488	49.974	ug/l	85
22) Diisopropyl ether	6.118	45	931888	49.830	ug/l #	94
23) Vinyl Acetate	6.057	43	3041583	257.183	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	553620	48.994	ug/l	99
25) 2-Butanone	6.984	43	493124	246.273	ug/l #	84
26) 2,2-Dichloropropane	6.984	77	490250	48.753	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	360725	50.656	ug/l	87
28) Bromochloromethane	7.332	49	201154	41.859	ug/l #	77
29) Tetrahydrofuran	7.344	42	326315	238.173	ug/l #	79
30) Chloroform	7.508	83	593409	50.690	ug/l	99
31) Cyclohexane	7.783	56	443007	48.918	ug/l	92
32) 1,1,1-Trichloroethane	7.703	97	536511	51.496	ug/l	96
36) 1,1-Dichloropropene	7.917	75	417940	48.929	ug/l	97
37) Ethyl Acetate	7.069	43	231753	49.123	ug/l #	94
38) Carbon Tetrachloride	7.899	117	480869	52.775	ug/l	99
39) Methylcyclohexane	9.185	83	513261	48.893	ug/l	89
40) Benzene	8.161	78	1196960	50.352	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	114488m	50.782	ug/l	
42) 1,2-Dichloroethane	8.240	62	379674	51.185	ug/l	93
43) Isopropyl Acetate	8.277	43	438014	50.203	ug/l #	89
44) Trichloroethene	8.941	130	343188	51.981	ug/l	99
45) 1,2-Dichloropropane	9.215	63	308066	50.112	ug/l	93
46) Dibromomethane	9.307	93	190729	51.686	ug/l	97
47) Bromodichloromethane	9.496	83	460438	53.199	ug/l	99
48) Methyl methacrylate	9.295	41	184085	48.677	ug/l #	78
49) 1,4-Dioxane	9.295	88	47687	1070.425	ug/l #	77
51) 4-Methyl-2-Pentanone	10.069	43	1164894	249.532	ug/l #	87
52) Toluene	10.246	92	783782	50.992	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	483825	54.447	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	515225	52.479	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	276164	55.011	ug/l	97
56) Ethyl methacrylate	10.508	69	365671	54.864	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	445568	52.486	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	865088	238.001	ug/l	95
59) 2-Hexanone	10.831	43	798738	254.071	ug/l	86
60) Dibromochloromethane	10.983	129	339915	56.864	ug/l	99
61) 1,2-Dibromoethane	11.087	107	258944	54.116	ug/l	99
64) Tetrachloroethene	10.721	164	294474	52.403	ug/l	97
65) Chlorobenzene	11.514	112	866273	52.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	341934	55.361	ug/l	98
67) Ethyl Benzene	11.593	91	1587462	53.296	ug/l	97
68) m/p-Xylenes	11.703	106	1260116	110.261	ug/l	92
69) o-Xylene	12.026	106	589213	54.406	ug/l	92
70) Styrene	12.044	104	998640	55.071	ug/l	96
71) Bromoform	12.209	173	220269	57.276	ug/l #	100
73) Isopropylbenzene	12.331	105	1579794	52.791	ug/l	100
74) N-amyl acetate	12.142	43	401294	50.376	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	330285	52.623	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	229505m	53.500	ug/l	
77) Bromobenzene	12.605	156	380625	55.220	ug/l	91
78) n-propylbenzene	12.672	91	1932488	53.516	ug/l	98
79) 2-Chlorotoluene	12.757	91	1038840	53.761	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	1337388	55.891	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	110680	52.747	ug/l	86
82) 4-Chlorotoluene	12.855	91	1044716	52.562	ug/l	96
83) tert-Butylbenzene	13.074	119	1194610	54.275	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	1573716	66.768	ug/l	98
85) sec-Butylbenzene	13.251	105	1706610	52.416	ug/l	99
86) p-Isopropyltoluene	13.367	119	1440126	53.553	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	736524	53.697	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	717234	52.981	ug/l	98
89) n-Butylbenzene	13.696	91	1376173	54.146	ug/l	97
90) Hexachloroethane	13.958	117	282733	55.466	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	656284	53.885	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	49897	52.495	ug/l	76
93) 1,2,4-Trichlorobenzene	15.007	180	424133	55.006	ug/l	100
94) Hexachlorobutadiene	15.111	225	246938	54.167	ug/l	99
95) Naphthalene	15.233	128	1079589	68.824	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	370298	53.884	ug/l	99

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

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