

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050422\
 Data File : VY008628.D
 Acq On : 04 May 2022 21:47
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/05/2022
 Supervised By : Mahesh Dadoda 05/05/2022

Quant Time: May 05 04:40:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:57:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	146076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	228173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	211551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	73373	51.680	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.360%			
35) Dibromofluoromethane	7.716	113	79087	52.382	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.760%			
50) Toluene-d8	10.179	98	289066	54.041	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.080%			
62) 4-Bromofluorobenzene	12.483	95	101622	51.834	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	65363	44.646	ug/l	99
3) Chloromethane	2.113	50	83331	48.968	ug/l	95
4) Vinyl Chloride	2.253	62	94221	46.052	ug/l	97
5) Bromomethane	2.649	94	74153	49.120	ug/l	95
6) Chloroethane	2.790	64	61455	46.869	ug/l	99
7) Trichlorofluoromethane	3.125	101	132411	47.849	ug/l	94
8) Diethyl Ether	3.527	74	47531	53.632	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.899	101	82399	50.652	ug/l	94
10) Methyl Iodide	4.088	142	105501	52.313	ug/l #	87
11) Tert butyl alcohol	4.948	59	40164	277.824	ug/l	96
12) 1,1-Dichloroethene	3.869	96	79709	51.998	ug/l #	74
13) Acrolein	3.729	56	44232	230.572	ug/l	99
14) Allyl chloride	4.478	41	103640	56.474	ug/l #	85
15) Acrylonitrile	5.161	53	117051	289.688	ug/l	97
16) Acetone	3.948	43	80951	264.628	ug/l #	89
17) Carbon Disulfide	4.192	76	234183	53.729	ug/l	99
18) Methyl Acetate	4.478	43	50412	58.108	ug/l #	82
19) Methyl tert-butyl Ether	5.222	73	223377	52.846	ug/l	96
20) Methylene Chloride	4.716	84	103740	58.024	ug/l #	78
21) trans-1,2-Dichloroethene	5.216	96	92585	53.168	ug/l #	81
22) Diisopropyl ether	6.118	45	241280	56.951	ug/l #	89
23) Vinyl Acetate	6.057	43	802620	290.101	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	148541	55.621	ug/l	97
25) 2-Butanone	6.984	43	140551	286.240	ug/l #	79
26) 2,2-Dichloropropane	6.978	77	124407	48.638	ug/l	90
27) cis-1,2-Dichloroethene	6.984	96	107228	53.805	ug/l	79
28) Bromochloromethane	7.332	49	56568	55.397	ug/l #	63
29) Tetrahydrofuran	7.344	42	96475	296.234	ug/l #	77
30) Chloroform	7.508	83	161159	53.858	ug/l	99
31) Cyclohexane	7.783	56	129508	52.849	ug/l	87
32) 1,1,1-Trichloroethane	7.697	97	139887	50.966	ug/l #	94
36) 1,1-Dichloropropene	7.917	75	120236	51.213	ug/l	94
37) Ethyl Acetate	7.069	43	65333	54.263	ug/l #	91
38) Carbon Tetrachloride	7.899	117	128796	48.085	ug/l	99
39) Methylcyclohexane	9.185	83	158439	51.158	ug/l #	84
40) Benzene	8.161	78	367265	54.157	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	28633m	54.207	ug/l	
42) 1,2-Dichloroethane	8.240	62	97180	49.510	ug/l	87
43) Isopropyl Acetate	8.270	43	119028	54.334	ug/l #	85
44) Trichloroethene	8.941	130	106340	49.990	ug/l	93
45) 1,2-Dichloropropane	9.215	63	88577	55.989	ug/l	93
46) Dibromomethane	9.307	93	56226	50.911	ug/l	93
47) Bromodichloromethane	9.496	83	124920	51.912	ug/l	99
48) Methyl methacrylate	9.295	41	51495	53.478	ug/l #	72
49) 1,4-Dioxane	9.295	88	15068	1076.043	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	323166	281.055	ug/l #	84
52) Toluene	10.246	92	241025	53.175	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	131396	51.650	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	149059	52.740	ug/l #	78
55) 1,1,2-Trichloroethane	10.648	97	81846	53.182	ug/l	95
56) Ethyl methacrylate	10.508	69	108777	55.953	ug/l #	70
57) 1,3-Dichloropropane	10.788	76	132528	53.945	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	267493	271.092	ug/l	90
59) 2-Hexanone	10.831	43	222400	284.019	ug/l	80
60) Dibromochloromethane	10.983	129	99676	51.778	ug/l	100
61) 1,2-Dibromoethane	11.087	107	81543	52.354	ug/l	100
64) Tetrachloroethene	10.721	164	96652	50.083	ug/l	97
65) Chlorobenzene	11.514	112	265767	52.155	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	98514	51.208	ug/l	96
67) Ethyl Benzene	11.593	91	454725	53.042	ug/l	97
68) m/p-Xylenes	11.703	106	365224	104.288	ug/l	89
69) o-Xylene	12.032	106	176047	52.452	ug/l	88
70) Styrene	12.044	104	297571	53.334	ug/l	92
71) Bromoform	12.209	173	65451	51.178	ug/l #	99
73) Isopropylbenzene	12.331	105	453803	53.860	ug/l	98
74) N-amyl acetate	12.142	43	106014	56.303	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	98099	57.535	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	58357m	50.617	ug/l	
77) Bromobenzene	12.611	156	115176	51.809	ug/l	87
78) n-propylbenzene	12.672	91	534320	54.496	ug/l	96
79) 2-Chlorotoluene	12.757	91	298705	54.110	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	374170	53.750	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	31585	55.542	ug/l #	79
82) 4-Chlorotoluene	12.855	91	309081	54.352	ug/l	94
83) tert-Butylbenzene	13.074	119	331352	53.143	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	367697	53.142	ug/l	95
85) sec-Butylbenzene	13.257	105	491165	53.452	ug/l	98
86) p-Isopropyltoluene	13.373	119	413676	53.026	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	220753	51.344	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	216843	51.131	ug/l	98
89) n-Butylbenzene	13.696	91	369226	53.731	ug/l	98
90) Hexachloroethane	13.965	117	78051	54.020	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	197586	51.497	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13752	52.997	ug/l	57
93) 1,2,4-Trichlorobenzene	15.007	180	118789	48.520	ug/l	99
94) Hexachlorobutadiene	15.111	225	65041	47.042	ug/l	99
95) Naphthalene	15.239	128	252306	51.391	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	103361	47.566	ug/l	99

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

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