

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051222\
 Data File : VY008736.D
 Acq On : 12 May 2022 16:13
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 13 01:38:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 01:36:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	183345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	301687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	279952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	36711	20.283	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.560%#		
35) Dibromofluoromethane	7.716	113	37952	20.550	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.100%#		
50) Toluene-d8	10.179	98	128359	18.481	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	36.960%#		
62) 4-Bromofluorobenzene	12.477	95	46539	19.001	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	38.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	35877	22.842	ug/l	98
3) Chloromethane	2.113	50	67173	32.078	ug/l	99
4) Vinyl Chloride	2.247	62	90158	32.127	ug/l	97
5) Bromomethane	2.637	94	87409	37.011	ug/l	95
6) Chloroethane	2.784	64	61117	32.716	ug/l	99
7) Trichlorofluoromethane	3.119	101	71363	21.623	ug/l	95
8) Diethyl Ether	3.527	74	21686	20.559	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.893	101	41373	20.391	ug/l	100
10) Methyl Iodide	4.082	142	36643	17.931	ug/l	99
11) Tert butyl alcohol	4.936	59	28586	151.791	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	38375	20.462	ug/l	93
13) Acrolein	3.729	56	16241	112.507	ug/l	95
14) Allyl chloride	4.472	41	51193	20.645	ug/l	98
15) Acrylonitrile	5.155	53	53287	106.148	ug/l	100
16) Acetone	3.942	43	42518	105.935	ug/l	96
17) Carbon Disulfide	4.192	76	112938	21.454	ug/l	97
18) Methyl Acetate	4.479	43	27633	20.007	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	108908	20.390	ug/l	98
20) Methylene Chloride	4.710	84	63971	26.333	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	45218	20.727	ug/l	94
22) Diisopropyl ether	6.112	45	122390	22.598	ug/l	96
23) Vinyl Acetate	6.051	43	384896	115.502	ug/l	99
24) 1,1-Dichloroethane	6.015	63	76605	21.473	ug/l	98
25) 2-Butanone	6.978	43	68465	110.871	ug/l	93
26) 2,2-Dichloropropane	6.972	77	72303	21.350	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	51058	20.094	ug/l	99
28) Bromochloromethane	7.332	49	28967	23.567	ug/l	95
29) Tetrahydrofuran	7.350	42	43344	107.897	ug/l	98
30) Chloroform	7.502	83	81305	21.056	ug/l	99
31) Cyclohexane	7.777	56	70942	21.116	ug/l	99
32) 1,1,1-Trichloroethane	7.697	97	72907	20.532	ug/l	99
36) 1,1-Dichloropropene	7.917	75	63229	21.798	ug/l	99
37) Ethyl Acetate	7.070	43	31369	23.406	ug/l	96
38) Carbon Tetrachloride	7.899	117	65269	20.727	ug/l	92
39) Methylcyclohexane	9.179	83	79055	20.315	ug/l	95
40) Benzene	8.155	78	178004	21.384	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	14093m	20.147	ug/l	
42) 1,2-Dichloroethane	8.234	62	52097	22.346	ug/l	100
43) Isopropyl Acetate	8.271	43	59137	22.274	ug/l	100
44) Trichloroethene	8.935	130	47782	20.010	ug/l	99
45) 1,2-Dichloropropane	9.216	63	43617	22.136	ug/l	98
46) Dibromomethane	9.301	93	26805	20.925	ug/l	99
47) Bromodichloromethane	9.496	83	63267	21.478	ug/l	98
48) Methyl methacrylate	9.289	41	24464	20.975	ug/l	95
49) 1,4-Dioxane	9.301	88	6876	414.558	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	157203	117.043	ug/l	98
52) Toluene	10.246	92	117033	21.391	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	64975	21.542	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	73535	21.589	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	37500	21.253	ug/l	97
56) Ethyl methacrylate	10.508	69	47130	20.620	ug/l	94
57) 1,3-Dichloropropane	10.788	76	61800	21.315	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	117976	116.838	ug/l	99
59) 2-Hexanone	10.831	43	107406	115.021	ug/l	96
60) Dibromochloromethane	10.983	129	42761	19.944	ug/l	98
61) 1,2-Dibromoethane	11.087	107	35796	20.611	ug/l	96
64) Tetrachloroethene	10.715	164	43638	20.702	ug/l	90
65) Chlorobenzene	11.514	112	124568	20.279	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	44840	19.758	ug/l	99
67) Ethyl Benzene	11.593	91	220980	20.320	ug/l	99
68) m/p-Xylenes	11.703	106	176049	40.673	ug/l	98
69) o-Xylene	12.026	106	82848	20.100	ug/l	99
70) Styrene	12.044	104	133835	19.688	ug/l	98
71) Bromoform	12.209	173	25216	18.660	ug/l #	96
73) Isopropylbenzene	12.331	105	215362	20.048	ug/l	100
74) N-amyl acetate	12.142	43	52027	21.988	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	45045	21.831	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	30420m	19.344	ug/l	
77) Bromobenzene	12.605	156	48133	19.786	ug/l	99
78) n-propylbenzene	12.672	91	265515	20.837	ug/l	99
79) 2-Chlorotoluene	12.758	91	142695	20.315	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	177055	20.050	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	14729	20.889	ug/l	96
82) 4-Chlorotoluene	12.855	91	148060	20.375	ug/l	100
83) tert-Butylbenzene	13.075	119	154343	19.719	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	178530	20.649	ug/l	99
85) sec-Butylbenzene	13.251	105	236071	20.195	ug/l	99
86) p-Isopropyltoluene	13.367	119	196409	20.220	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	97642	19.927	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	97872	20.090	ug/l	100
89) n-Butylbenzene	13.696	91	185304	20.636	ug/l	98
90) Hexachloroethane	13.959	117	36032	19.396	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	86422	20.183	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6466	19.886	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	47250	18.663	ug/l	98
94) Hexachlorobutadiene	15.111	225	26128	19.337	ug/l	98
95) Naphthalene	15.233	128	101217	18.357	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	41219	18.828	ug/l	99

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

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