

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040722\
 Data File : VY008249.D
 Acq On : 07 Apr 2022 16:39
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/08/2022
 Supervised By : Mahesh Dadoda 04/08/2022

Quant Time: Apr 08 02:36:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	148097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	251906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	234599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	61659	41.497	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.000%		
35) Dibromofluoromethane	7.716	113	66532	42.125	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.260%		
50) Toluene-d8	10.179	98	238605	40.099	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	80.200%		
62) 4-Bromofluorobenzene	12.483	95	85538	40.746	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	81.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	43060	32.254	ug/l	99
3) Chloromethane	2.113	50	63123	38.828	ug/l	97
4) Vinyl Chloride	2.253	62	85183	39.381	ug/l	98
5) Bromomethane	2.650	94	71609	40.396	ug/l	97
6) Chloroethane	2.796	64	60001	42.170	ug/l	99
7) Trichlorofluoromethane	3.125	101	99397	36.326	ug/l	94
8) Diethyl Ether	3.534	74	36430	41.113	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	65298	38.472	ug/l	92
10) Methyl Iodide	4.088	142	69955	35.786	ug/l	88
11) Tert butyl alcohol	4.948	59	28990	188.048	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	57485	36.584	ug/l #	80
13) Acrolein	3.729	56	31633	252.098	ug/l	97
14) Allyl chloride	4.479	41	79329	38.372	ug/l #	90
15) Acrylonitrile	5.161	53	93299	221.051	ug/l	97
16) Acetone	3.948	43	76379	224.893	ug/l #	87
17) Carbon Disulfide	4.198	76	150770	33.863	ug/l	99
18) Methyl Acetate	4.472	43	38202	41.598	ug/l #	82
19) Methyl tert-butyl Ether	5.222	73	188199	42.146	ug/l	94
20) Methylene Chloride	4.716	84	73492	41.757	ug/l #	78
21) trans-1,2-Dichloroethene	5.222	96	70901	38.969	ug/l #	81
22) Diisopropyl ether	6.119	45	199056	44.754	ug/l #	91
23) Vinyl Acetate	6.058	43	646455	234.565	ug/l #	87
24) 1,1-Dichloroethane	6.021	63	123239	41.853	ug/l	97
25) 2-Butanone	6.984	43	112410	217.498	ug/l #	76
26) 2,2-Dichloropropane	6.978	77	112559	40.364	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	87687	41.579	ug/l	81
28) Bromochloromethane	7.332	49	34786	43.720	ug/l #	73
29) Tetrahydrofuran	7.344	42	71750	213.536	ug/l #	73
30) Chloroform	7.502	83	136754	42.891	ug/l	99
31) Cyclohexane	7.783	56	100283	36.107	ug/l #	83
32) 1,1,1-Trichloroethane	7.698	97	120182	40.795	ug/l	95
36) 1,1-Dichloropropene	7.917	75	98720	39.792	ug/l	97
37) Ethyl Acetate	7.070	43	51083	44.077	ug/l #	91
38) Carbon Tetrachloride	7.899	117	104198	38.540	ug/l	97
39) Methylcyclohexane	9.185	83	126458	37.763	ug/l #	83
40) Benzene	8.161	78	292921	41.276	ug/l	97

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41) Methacrylonitrile	7.313	41	25709m	44.178	ug/l	
42) 1,2-Dichloroethane	8.234	62	85315	42.856	ug/l	89
43) Isopropyl Acetate	8.271	43	95945	42.171	ug/l #	85
44) Trichloroethene	8.941	130	82975	40.434	ug/l	97
45) 1,2-Dichloropropane	9.216	63	73136	43.729	ug/l	94
46) Dibromomethane	9.307	93	48334	43.952	ug/l	94
47) Bromodichloromethane	9.496	83	108755	43.248	ug/l	97
48) Methyl methacrylate	9.295	41	40435	40.126	ug/l #	70
49) 1,4-Dioxane	9.295	88	12773	873.714	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	247534	215.718	ug/l #	82
52) Toluene	10.246	92	196793	42.285	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	112419	43.612	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	126081	43.209	ug/l #	82
55) 1,1,2-Trichloroethane	10.648	97	68238	44.938	ug/l	98
56) Ethyl methacrylate	10.514	69	87618	44.234	ug/l #	73
57) 1,3-Dichloropropane	10.795	76	112354	45.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	162005	197.400	ug/l #	88
59) 2-Hexanone	10.831	43	174226	216.981	ug/l	78
60) Dibromochloromethane	10.990	129	81917	44.356	ug/l	99
61) 1,2-Dibromoethane	11.093	107	66886	44.226	ug/l	100
64) Tetrachloroethene	10.721	164	69612	38.634	ug/l	98
65) Chlorobenzene	11.520	112	219867	41.565	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	83465	42.777	ug/l	97
67) Ethyl Benzene	11.593	91	379744	40.959	ug/l	95
68) m/p-Xylenes	11.703	106	306183	83.054	ug/l	90
69) o-Xylene	12.032	106	147917	41.906	ug/l	88
70) Styrene	12.050	104	250157	43.292	ug/l	93
71) Bromoform	12.209	173	50931	43.232	ug/l #	99
73) Isopropylbenzene	12.331	105	381954	38.677	ug/l	99
74) N-amyl acetate	12.148	43	83888	38.643	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.587	83	81218	42.312	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	53483m	36.671	ug/l	
77) Bromobenzene	12.611	156	92883	40.997	ug/l	90
78) n-propylbenzene	12.672	91	453101	38.898	ug/l	97
79) 2-Chlorotoluene	12.758	91	252644	39.098	ug/l	95
80) 1,3,5-Trimethylbenzene	12.819	105	317472	39.241	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	26221	40.113	ug/l #	80
82) 4-Chlorotoluene	12.855	91	261834	39.490	ug/l	94
83) tert-Butylbenzene	13.081	119	292686	40.607	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	313719	39.820	ug/l	96
85) sec-Butylbenzene	13.257	105	423052	39.764	ug/l	98
86) p-Isopropyltoluene	13.373	119	356814	40.299	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	188691	42.008	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	186569	41.649	ug/l	97
89) n-Butylbenzene	13.703	91	318767	39.130	ug/l	98
90) Hexachloroethane	13.965	117	65407	38.126	ug/l	85
91) 1,2-Dichlorobenzene	13.745	146	167300	42.305	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11436	37.328	ug/l	72
93) 1,2,4-Trichlorobenzene	15.013	180	93103	39.308	ug/l	98
94) Hexachlorobutadiene	15.117	225	47856	38.193	ug/l	98
95) Naphthalene	15.239	128	200263	38.251	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	81586	39.810	ug/l	99

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

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