

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042522\
 Data File : VY008473.D
 Acq On : 25 Apr 2022 11:38
 Operator : KP/MD
 Sample : VY0425SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0425SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/26/2022
 Supervised By :Mahesh Dadoda 04/26/2022

Quant Time: Apr 26 01:54:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	94601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	162834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	152326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	58344	52.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.840%			
35) Dibromofluoromethane	7.716	113	55556	52.865	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.740%			
50) Toluene-d8	10.179	98	205799	49.177	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.360%			
62) 4-Bromofluorobenzene	12.483	95	70156	49.577	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	17224	20.049	ug/l	95
3) Chloromethane	2.113	50	30890	22.851	ug/l	95
4) Vinyl Chloride	2.253	62	39857	22.691	ug/l	96
5) Bromomethane	2.644	94	37262	22.815	ug/l	98
6) Chloroethane	2.790	64	27565	23.589	ug/l	98
7) Trichlorofluoromethane	3.125	101	40024	21.996	ug/l	93
8) Diethyl Ether	3.534	74	12957	20.689	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.899	101	24526	22.642	ug/l	94
10) Methyl Iodide	4.088	142	25379	18.873	ug/l	91
11) Tert butyl alcohol	4.948	59	12339	94.240	ug/l	98
12) 1,1-Dichloroethene	3.869	96	22930	22.423	ug/l #	79
13) Acrolein	3.729	56	11619	98.044	ug/l	100
14) Allyl chloride	4.479	41	28823	21.594	ug/l #	87
15) Acrylonitrile	5.161	53	31121	97.189	ug/l	99
16) Acetone	3.948	43	22860	88.173	ug/l #	89
17) Carbon Disulfide	4.192	76	65413	21.158	ug/l	100
18) Methyl Acetate	4.473	43	14595	20.073	ug/l #	85
19) Methyl tert-butyl Ether	5.222	73	64941	20.070	ug/l	97
20) Methylene Chloride	4.716	84	27057	15.853	ug/l #	78
21) trans-1,2-Dichloroethene	5.216	96	26571	21.300	ug/l #	81
22) Diisopropyl ether	6.112	45	68239	21.170	ug/l #	92
23) Vinyl Acetate	6.058	43	224652	101.656	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	42749	21.306	ug/l	97
25) 2-Butanone	6.984	43	38095	94.977	ug/l #	82
26) 2,2-Dichloropropane	6.978	77	40249	21.659	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	30784	21.574	ug/l	82
28) Bromochloromethane	7.332	49	16001	19.770	ug/l #	79
29) Tetrahydrofuran	7.350	42	25058	96.997	ug/l #	74
30) Chloroform	7.509	83	47035	21.338	ug/l	98
31) Cyclohexane	7.783	56	38923	21.271	ug/l #	84
32) 1,1,1-Trichloroethane	7.698	97	42684	22.114	ug/l	97
36) 1,1-Dichloropropene	7.917	75	35887	21.468	ug/l	96
37) Ethyl Acetate	7.070	43	18011	19.482	ug/l #	90
38) Carbon Tetrachloride	7.899	117	37610	21.654	ug/l	98
39) Methylcyclohexane	9.185	83	47054	21.984	ug/l #	84
40) Benzene	8.161	78	104867	21.503	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	8903m	19.858	ug/l	
42) 1,2-Dichloroethane	8.234	62	30770	20.956	ug/l	91
43) Isopropyl Acetate	8.271	43	33979	19.985	ug/l #	86
44) Trichloroethene	8.941	130	29279	21.791	ug/l	99
45) 1,2-Dichloropropane	9.216	63	25453	21.734	ug/l	96
46) Dibromomethane	9.301	93	16908	20.607	ug/l	94
47) Bromodichloromethane	9.496	83	36153	20.757	ug/l	99
48) Methyl methacrylate	9.289	41	14221	19.671	ug/l #	78
49) 1,4-Dioxane	9.301	88	3939	380.711	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	89423	99.978	ug/l #	87
52) Toluene	10.240	92	69103	21.426	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	38513	20.619	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	42635	20.598	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	22795	20.355	ug/l	95
56) Ethyl methacrylate	10.508	69	28769	19.896	ug/l #	78
57) 1,3-Dichloropropane	10.789	76	36849	20.157	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	73020	92.144	ug/l	91
59) 2-Hexanone	10.831	43	60854	98.868	ug/l	84
60) Dibromochloromethane	10.984	129	26428	20.541	ug/l	99
61) 1,2-Dibromoethane	11.087	107	21923	19.793	ug/l	99
64) Tetrachloroethene	10.721	164	25434	22.516	ug/l	97
65) Chlorobenzene	11.514	112	74158	21.531	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	26564	20.890	ug/l	94
67) Ethyl Benzene	11.593	91	130944	21.906	ug/l	98
68) m/p-Xylenes	11.703	106	103611	43.273	ug/l	92
69) o-Xylene	12.032	106	49023	21.267	ug/l	92
70) Styrene	12.044	104	82275	21.180	ug/l	94
71) Bromoform	12.209	173	15397	19.321	ug/l #	97
73) Isopropylbenzene	12.331	105	128923	22.432	ug/l	100
74) N-amyl acetate	12.142	43	29971	21.105	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	25980	20.231	ug/l	95
76) 1,2,3-Trichloropropane	12.630	75	15723m	16.027	ug/l	
77) Bromobenzene	12.611	156	30594	21.827	ug/l	93
78) n-propylbenzene	12.672	91	155587	22.569	ug/l	98
79) 2-Chlorotoluene	12.758	91	85751	22.101	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	105263	22.065	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8732	20.649	ug/l #	84
82) 4-Chlorotoluene	12.855	91	89176	22.179	ug/l	98
83) tert-Butylbenzene	13.075	119	93589	22.599	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	105236	22.233	ug/l	96
85) sec-Butylbenzene	13.251	105	142627	22.821	ug/l	99
86) p-Isopropyltoluene	13.367	119	117079	22.368	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	59502	21.204	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	60011	21.588	ug/l	99
89) n-Butylbenzene	13.697	91	109471	23.043	ug/l	100
90) Hexachloroethane	13.959	117	21730	23.092	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	53639	21.497	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3931	20.370	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	29896	21.524	ug/l	99
94) Hexachlorobutadiene	15.111	225	15750	23.241	ug/l	99
95) Naphthalene	15.239	128	63439	20.148	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	25835	21.251	ug/l	99

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

