

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042022\
 Data File : VY008413.D
 Acq On : 20 Apr 2022 13:02
 Operator : KP/MD
 Sample : VY0420SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0420SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/21/2022
 Supervised By :Mahesh Dadoda 04/21/2022

Quant Time: Apr 21 04:04:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	115398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	196188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	179942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	51049	47.095	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.180%		
35) Dibromofluoromethane	7.722	113	51545	45.488	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.980%		
50) Toluene-d8	10.179	98	167133	43.104	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	86.200%		
62) 4-Bromofluorobenzene	12.483	95	64602	44.297	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	16557	17.325	ug/l	100
3) Chloromethane	2.113	50	23761	18.436	ug/l	98
4) Vinyl Chloride	2.253	62	31883	19.394	ug/l	93
5) Bromomethane	2.637	94	31679	22.289	ug/l	99
6) Chloroethane	2.790	64	23275	20.214	ug/l	97
7) Trichlorofluoromethane	3.119	101	37178	19.005	ug/l	96
8) Diethyl Ether	3.527	74	12924	18.281	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.893	101	24018	18.902	ug/l	92
10) Methyl Iodide	4.088	142	22731	17.633	ug/l	91
11) Tert butyl alcohol	4.954	59	16478	142.194	ug/l	100
12) 1,1-Dichloroethene	3.875	96	20964	18.418	ug/l #	79
13) Acrolein	3.729	56	5330	58.414	ug/l	92
14) Allyl chloride	4.479	41	26357	17.743	ug/l #	86
15) Acrylonitrile	5.161	53	34144	98.747	ug/l	96
16) Acetone	3.942	43	27265	104.577	ug/l	91
17) Carbon Disulfide	4.192	76	50551	16.835	ug/l	99
18) Methyl Acetate	4.485	43	16409	22.569	ug/l #	80
19) Methyl tert-butyl Ether	5.222	73	66872	19.038	ug/l	97
20) Methylene Chloride	4.716	84	30711	17.208	ug/l #	80
21) trans-1,2-Dichloroethene	5.222	96	24538	17.994	ug/l #	79
22) Diisopropyl ether	6.125	45	67634	19.299	ug/l #	91
23) Vinyl Acetate	6.058	43	220100	96.925	ug/l #	87
24) 1,1-Dichloroethane	6.021	63	42866	19.055	ug/l	98
25) 2-Butanone	6.984	43	42061	103.173	ug/l #	73
26) 2,2-Dichloropropane	6.984	77	39982	19.299	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	29484	18.222	ug/l	85
28) Bromochloromethane	7.338	49	15399	17.859	ug/l #	75
29) Tetrahydrofuran	7.350	42	27235	103.473	ug/l #	75
30) Chloroform	7.508	83	46767	18.618	ug/l	98
31) Cyclohexane	7.783	56	35203	17.960	ug/l #	80
32) 1,1,1-Trichloroethane	7.704	97	41045	18.679	ug/l	96
36) 1,1-Dichloropropene	7.917	75	33340	18.425	ug/l	95
37) Ethyl Acetate	7.070	43	19932	21.363	ug/l #	91
38) Carbon Tetrachloride	7.905	117	35480	18.226	ug/l	96
39) Methylcyclohexane	9.185	83	42795	18.381	ug/l #	84
40) Benzene	8.161	78	98553	18.290	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	11108m	21.281	ug/l	
42) 1,2-Dichloroethane	8.240	62	30798	19.701	ug/l	88
43) Isopropyl Acetate	8.277	43	35309	20.391	ug/l #	87
44) Trichloroethene	8.941	130	28325	18.445	ug/l	97
45) 1,2-Dichloropropane	9.216	63	25319	19.235	ug/l #	89
46) Dibromomethane	9.301	93	16308	18.719	ug/l	94
47) Bromodichloromethane	9.496	83	36923	18.845	ug/l	99
48) Methyl methacrylate	9.295	41	14800	20.106	ug/l #	74
49) 1,4-Dioxane	9.301	88	4608	409.859	ug/l #	76
51) 4-Methyl-2-Pentanone	10.069	43	95553	106.867	ug/l #	85
52) Toluene	10.246	92	66960	18.861	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	37521	18.791	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	41591	18.463	ug/l #	86
55) 1,1,2-Trichloroethane	10.648	97	23665	19.042	ug/l	94
56) Ethyl methacrylate	10.508	69	29377	19.281	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	38258	19.170	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	55559	92.572	ug/l	91
59) 2-Hexanone	10.831	43	65709	106.801	ug/l	84
60) Dibromochloromethane	10.983	129	26603	18.326	ug/l	98
61) 1,2-Dibromoethane	11.087	107	22997	18.927	ug/l	99
64) Tetrachloroethene	10.721	164	24171	19.059	ug/l	97
65) Chlorobenzene	11.514	112	72810	18.658	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	27003	18.544	ug/l	98
67) Ethyl Benzene	11.593	91	126328	19.036	ug/l	98
68) m/p-Xylenes	11.703	106	97736	37.032	ug/l	93
69) o-Xylene	12.032	106	47367	18.494	ug/l	91
70) Styrene	12.044	104	78481	18.580	ug/l	94
71) Bromoform	12.209	173	16396	18.679	ug/l #	100
73) Isopropylbenzene	12.331	105	124884	19.201	ug/l	99
74) N-amyl acetate	12.142	43	30748	21.775	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	27861	20.244	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	20697m	21.391	ug/l	
77) Bromobenzene	12.611	156	29538	18.533	ug/l	96
78) n-propylbenzene	12.672	91	151339	19.718	ug/l	99
79) 2-Chlorotoluene	12.758	91	82278	19.102	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	102641	19.245	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	8732	20.193	ug/l	87
82) 4-Chlorotoluene	12.855	91	86282	19.493	ug/l	97
83) tert-Butylbenzene	13.075	119	90348	18.883	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	100910	19.119	ug/l	97
85) sec-Butylbenzene	13.251	105	137650	19.405	ug/l	100
86) p-Isopropyltoluene	13.367	119	112745	19.047	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	58146	18.420	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	58915	18.858	ug/l	98
89) n-Butylbenzene	13.696	91	103945	19.436	ug/l	99
90) Hexachloroethane	13.959	117	20990	18.972	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	52533	18.706	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4187	21.263	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	29064	17.497	ug/l	98
94) Hexachlorobutadiene	15.111	225	14707	17.440	ug/l	99
95) Naphthalene	15.239	128	64757	18.200	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	25789	17.742	ug/l	99

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

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