

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042023\
 Data File : VY013366.D
 Acq On : 20 Apr 2023 14:25
 Operator : KP/MD
 Sample : VY0420SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0420SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

04/21/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Apr 21 02:14:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	144378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	408070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	268968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142078	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	98384	56.702	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.400%	
35) Dibromofluoromethane	7.716	113	54140	20.493	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 40.980%#	
50) Toluene-d8	10.179	98	194980	19.829	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 39.660%#	
62) 4-Bromofluorobenzene	12.477	95	131860	41.271	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.540%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	52682	40.543	ug/l	94
3) Chloromethane	2.107	50	60417	37.113	ug/l	98
4) Vinyl Chloride	2.247	62	62679	40.609	ug/l	99
5) Bromomethane	2.650	94	37038	31.293	ug/l	93
6) Chloroethane	2.790	64	27206	26.137	ug/l	100
7) Trichlorofluoromethane	3.119	101	94228	39.224	ug/l	100
8) Diethyl Ether	3.527	74	17787	20.379	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.893	101	24147	17.105	ug/l #	74
10) Methyl Iodide	4.088	142	33618	19.415	ug/l #	76
11) Tert butyl alcohol	4.978	59	20578m	62.343	ug/l	
12) 1,1-Dichloroethene	3.869	96	22298	16.413	ug/l	93
13) Acrolein	3.729	56	12571	58.978	ug/l	98
14) Allyl chloride	4.466	41	32098	12.368	ug/l #	52
15) Acrylonitrile	5.180	53	41186	82.119	ug/l #	17
16) Acetone	3.948	43	40132	67.271	ug/l #	80
17) Carbon Disulfide	4.192	76	60775	13.588	ug/l	96
18) Methyl Acetate	4.479	43	24922	12.917	ug/l #	81
19) Methyl tert-butyl Ether	5.216	73	98156	24.119	ug/l #	89
20) Methylene Chloride	4.716	84	43365	25.420	ug/l #	81
21) trans-1,2-Dichloroethene	5.216	96	33649	21.697	ug/l	87
22) Diisopropyl ether	6.118	45	58315	11.402	ug/l #	84
23) Vinyl Acetate	6.057	43	213551	66.048	ug/l #	88
24) 1,1-Dichloroethane	6.009	63	49393	17.288	ug/l	97
25) 2-Butanone	6.984	43	136118	178.199	ug/l	99
26) 2,2-Dichloropropane	6.978	77	96335	37.584	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	67161	39.826	ug/l	97
28) Bromochloromethane	7.332	49	31496	27.661	ug/l #	78
29) Tetrahydrofuran	7.350	42	73238	157.864	ug/l	89
30) Chloroform	7.502	83	69183	23.929	ug/l	89
31) Cyclohexane	7.765	56	30190	11.507	ug/l #	73
32) 1,1,1-Trichloroethane	7.697	97	59681	22.818	ug/l	98
36) 1,1-Dichloropropene	7.917	75	32114	8.024	ug/l	94
37) Ethyl Acetate	7.076	43	62838	19.478	ug/l	100
38) Carbon Tetrachloride	7.893	117	63344	14.314	ug/l	94
39) Methylcyclohexane	9.179	83	44006	9.458	ug/l	91
40) Benzene	8.149	78	123925	10.699	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.307	41	25396	18.975	ug/l	#	100
42) 1,2-Dichloroethane	8.234	62	52528	13.375	ug/l		91
43) Isopropyl Acetate	8.264	43	33902	6.327	ug/l	#	83
44) Trichloroethene	8.941	130	47783	16.013	ug/l		93
45) 1,2-Dichloropropane	9.215	63	18940	6.300	ug/l		95
46) Dibromomethane	9.301	93	16487	9.112	ug/l	#	85
47) Bromodichloromethane	9.490	83	49330	11.925	ug/l		99
48) Methyl methacrylate	9.295	41	15167	6.162	ug/l	#	62
49) 1,4-Dioxane	9.313	88	3051	124.450	ug/l	#	75
51) 4-Methyl-2-Pentanone	10.063	43	95391	32.710	ug/l		99
52) Toluene	10.240	92	53995	7.720	ug/l		99
53) t-1,3-Dichloropropene	10.471	75	42221	9.746	ug/l		98
54) cis-1,3-Dichloropropene	9.923	75	43039	9.061	ug/l	#	77
55) 1,1,2-Trichloroethane	10.654	97	27767	11.638	ug/l		96
56) Ethyl methacrylate	10.508	69	28659	8.773	ug/l	#	84
57) 1,3-Dichloropropane	10.788	76	43796	10.793	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.776	63	49354	36.183	ug/l	#	71
59) 2-Hexanone	10.831	43	84145	39.683	ug/l		99
60) Dibromochloromethane	10.983	129	50319	16.820	ug/l		98
61) 1,2-Dibromoethane	11.087	107	35256	15.175	ug/l		98
64) Tetrachloroethene	10.721	164	42975	22.648	ug/l		98
65) Chlorobenzene	11.514	112	123663	21.978	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.587	131	50624	23.976	ug/l		96
67) Ethyl Benzene	11.593	91	216937	22.137	ug/l		97
68) m/p-Xylenes	11.703	106	172430	45.988	ug/l		98
69) o-Xylene	12.026	106	83120	23.936	ug/l		97
70) Styrene	12.044	104	137471	23.439	ug/l		97
71) Bromoform	12.209	173	38608	26.393	ug/l	#	99
73) Isopropylbenzene	12.331	105	215479	22.110	ug/l		99
74) N-amyl acetate	12.142	43	58389	16.793	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.581	83	44925	18.660	ug/l		98
76) 1,2,3-Trichloropropane	12.629	75	26888m	15.188	ug/l		
77) Bromobenzene	12.605	156	56146	23.038	ug/l		86
78) n-propylbenzene	12.672	91	251345	20.882	ug/l		97
79) 2-Chlorotoluene	12.758	91	143051	21.114	ug/l		95
80) 1,3,5-Trimethylbenzene	12.812	105	188765	23.124	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.373	75	16261	19.063	ug/l		87
82) 4-Chlorotoluene	12.855	91	151306	21.184	ug/l		98
83) tert-Butylbenzene	13.075	119	163353	23.321	ug/l		99
84) 1,2,4-Trimethylbenzene	13.117	105	183524	23.100	ug/l		99
85) sec-Butylbenzene	13.251	105	227123	21.683	ug/l		97
86) p-Isopropyltoluene	13.367	119	202574	23.568	ug/l		98
87) 1,3-Dichlorobenzene	13.367	146	107783	22.943	ug/l		98
88) 1,4-Dichlorobenzene	13.446	146	105258	22.172	ug/l		98
89) n-Butylbenzene	13.696	91	156179	18.998	ug/l		95
90) Hexachloroethane	13.959	117	26422	14.743	ug/l		74
91) 1,2-Dichlorobenzene	13.739	146	88190	20.630	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7296	16.688	ug/l		96
93) 1,2,4-Trichlorobenzene	15.007	180	50542	19.893	ug/l		98
94) Hexachlorobutadiene	15.111	225	30416	20.217	ug/l		99
95) Naphthalene	15.233	128	100112	18.244	ug/l		99
96) 1,2,3-Trichlorobenzene	15.422	180	37694	16.284	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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