

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014764.D
 Acq On : 24 Jul 2023 11:58
 Operator : SY/MD
 Sample : VY0724SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0724SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2023
 Supervised By : Mahesh Dadoda 07/25/2023

Quant Time: Jul 24 13:00:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	243228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	401093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	353816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	178929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	131556	47.464	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.920%		
35) Dibromofluoromethane	7.716	113	120861	47.336	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.680%		
50) Toluene-d8	10.179	98	427310	45.394	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.780%		
62) 4-Bromofluorobenzene	12.477	95	159844	44.285	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	39615	19.991	ug/l	95
3) Chloromethane	2.113	50	50457	22.652	ug/l	99
4) Vinyl Chloride	2.247	62	56229	22.587	ug/l	97
5) Bromomethane	2.625	94	37417	22.743	ug/l	100
6) Chloroethane	2.778	64	34776	22.363	ug/l	100
7) Trichlorofluoromethane	3.113	101	82090	19.634	ug/l	96
8) Diethyl Ether	3.521	74	30122	19.363	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.887	101	47902	18.692	ug/l	95
10) Methyl Iodide	4.082	142	48772	19.471	ug/l	98
11) Tert butyl alcohol	4.948	59	81248	131.696	ug/l #	92
12) 1,1-Dichloroethene	3.863	96	44102	18.413	ug/l	91
13) Acrolein	3.723	56	26276	90.702	ug/l	99
14) Allyl chloride	4.472	41	73017	17.169	ug/l	97
15) Acrylonitrile	5.155	53	88424	103.076	ug/l	98
16) Acetone	3.942	43	78570	89.456	ug/l	96
17) Carbon Disulfide	4.186	76	122422	17.853	ug/l	99
18) Methyl Acetate	4.472	43	72984	21.653	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	147125	18.910	ug/l	99
20) Methylene Chloride	4.704	84	64180	19.956	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	49282	18.131	ug/l	96
22) Diisopropyl ether	6.118	45	152344	17.620	ug/l #	91
23) Vinyl Acetate	6.057	43	470850	91.000	ug/l #	95
24) 1,1-Dichloroethane	6.009	63	88596	17.908	ug/l	97
25) 2-Butanone	6.978	43	128875	100.295	ug/l	96
26) 2,2-Dichloropropane	6.978	77	82332	17.462	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	57888	18.296	ug/l	97
28) Bromochloromethane	7.332	49	41117	19.298	ug/l	93
29) Tetrahydrofuran	7.344	42	84017	106.187	ug/l	92
30) Chloroform	7.502	83	92925	18.215	ug/l	98
31) Cyclohexane	7.783	56	79317	17.239	ug/l #	86
32) 1,1,1-Trichloroethane	7.697	97	83701	18.229	ug/l	98
36) 1,1-Dichloropropene	7.911	75	68739	18.002	ug/l	99
37) Ethyl Acetate	7.069	43	54436	20.707	ug/l #	95
38) Carbon Tetrachloride	7.893	117	75312	18.659	ug/l	98
39) Methylcyclohexane	9.179	83	87933	17.677	ug/l	95
40) Benzene	8.155	78	198605	18.289	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	24918m	18.428	ug/l	
42) 1,2-Dichloroethane	8.234	62	65838	19.145	ug/l	94
43) Isopropyl Acetate	8.271	43	96438	19.257	ug/l	97
44) Trichloroethene	8.935	130	56288	18.526	ug/l	98
45) 1,2-Dichloropropane	9.215	63	50386	17.769	ug/l	97
46) Dibromomethane	9.301	93	33032	19.202	ug/l	97
47) Bromodichloromethane	9.496	83	73907	18.229	ug/l	97
48) Methyl methacrylate	9.289	41	42787	18.988	ug/l	94
49) 1,4-Dioxane	9.295	88	11377	405.593	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	270429	102.851	ug/l	92
52) Toluene	10.240	92	128977	18.561	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	78802	17.768	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	86547	17.945	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	45725	19.082	ug/l	96
56) Ethyl methacrylate	10.508	69	68031	18.594	ug/l	91
57) 1,3-Dichloropropane	10.788	76	77430	18.734	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	183027	107.364	ug/l	94
59) 2-Hexanone	10.831	43	197912	103.216	ug/l	91
60) Dibromochloromethane	10.983	129	55754	18.977	ug/l	99
61) 1,2-Dibromoethane	11.087	107	46175	19.316	ug/l	100
64) Tetrachloroethene	10.715	164	54759	19.243	ug/l	97
65) Chlorobenzene	11.514	112	140185	18.593	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	53384	18.779	ug/l	99
67) Ethyl Benzene	11.587	91	249490	18.327	ug/l	99
68) m/p-Xylenes	11.697	106	190880	36.733	ug/l	96
69) o-Xylene	12.026	106	93937	18.560	ug/l	98
70) Styrene	12.038	104	156798	18.381	ug/l	97
71) Bromoform	12.203	173	37393	19.405	ug/l #	100
73) Isopropylbenzene	12.325	105	248489	17.736	ug/l	100
74) N-amyl acetate	12.142	43	85493	18.220	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	60834	19.041	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	51238m	22.673	ug/l	
77) Bromobenzene	12.605	156	58456	18.279	ug/l	97
78) n-propylbenzene	12.666	91	297219	17.605	ug/l	99
79) 2-Chlorotoluene	12.751	91	167828	17.259	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	206894	17.682	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	20992	17.986	ug/l	93
82) 4-Chlorotoluene	12.849	91	173562	17.331	ug/l	100
83) tert-Butylbenzene	13.068	119	184519	17.778	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	203946	17.761	ug/l	99
85) sec-Butylbenzene	13.251	105	271005	17.799	ug/l	99
86) p-Isopropyltoluene	13.367	119	222611	17.907	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	114259	18.357	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	114293	18.324	ug/l	98
89) n-Butylbenzene	13.690	91	213417	17.646	ug/l	97
90) Hexachloroethane	13.959	117	43810	17.158	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	104308	18.291	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12095	19.795	ug/l	96
93) 1,2,4-Trichlorobenzene	15.001	180	65389	18.063	ug/l	99
94) Hexachlorobutadiene	15.111	225	35576	17.884	ug/l	98
95) Naphthalene	15.233	128	159270	18.885	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	58059	18.046	ug/l	98

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

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