

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072723\
 Data File : VY014872.D
 Acq On : 27 Jul 2023 11:08
 Operator : SY/MD
 Sample : VY0727SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0727SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/28/2023

Quant Time: Jul 28 02:36:27 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	213742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	353471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	314200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	107781	44.251	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.500%		
35) Dibromofluoromethane	7.710	113	97798	43.464	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.920%		
50) Toluene-d8	10.173	98	352225	42.459	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	84.920%		
62) 4-Bromofluorobenzene	12.477	95	132254	41.578	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	33028	18.966	ug/l	96
3) Chloromethane	2.107	50	41863	21.386	ug/l	99
4) Vinyl Chloride	2.241	62	49453	22.605	ug/l	97
5) Bromomethane	2.619	94	36726	25.403	ug/l	94
6) Chloroethane	2.778	64	31858	23.313	ug/l	92
7) Trichlorofluoromethane	3.113	101	71795	19.540	ug/l	97
8) Diethyl Ether	3.522	74	25706	18.804	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	41113	18.256	ug/l	97
10) Methyl Iodide	4.082	142	37636	17.387	ug/l	97
11) Tert butyl alcohol	4.948	59	71042	130.949	ug/l #	93
12) 1,1-Dichloroethene	3.863	96	38314	18.203	ug/l	91
13) Acrolein	3.723	56	21128	82.993	ug/l	99
14) Allyl chloride	4.466	41	61276	16.396	ug/l	97
15) Acrylonitrile	5.155	53	75186	99.736	ug/l	98
16) Acetone	3.942	43	73390	95.085	ug/l	93
17) Carbon Disulfide	4.186	76	101421	16.831	ug/l	99
18) Methyl Acetate	4.473	43	61862	20.886	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	128281	18.762	ug/l	100
20) Methylene Chloride	4.704	84	60989	21.955	ug/l	90
21) trans-1,2-Dichloroethene	5.210	96	43048	18.022	ug/l	92
22) Diisopropyl ether	6.113	45	132447	17.432	ug/l	94
23) Vinyl Acetate	6.052	43	401626	88.329	ug/l	96
24) 1,1-Dichloroethane	6.003	63	78109	17.966	ug/l	98
25) 2-Butanone	6.984	43	111444	98.694	ug/l	96
26) 2,2-Dichloropropane	6.972	77	73183	17.662	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	51457	18.507	ug/l	96
28) Bromochloromethane	7.326	49	37563	20.062	ug/l	93
29) Tetrahydrofuran	7.344	42	69525	99.992	ug/l	91
30) Chloroform	7.503	83	81914	18.271	ug/l	98
31) Cyclohexane	7.783	56	67947	16.805	ug/l	86
32) 1,1,1-Trichloroethane	7.698	97	73720	18.270	ug/l	99
36) 1,1-Dichloropropene	7.911	75	59510	17.685	ug/l	98
37) Ethyl Acetate	7.070	43	45717	19.733	ug/l #	96
38) Carbon Tetrachloride	7.893	117	65296	18.357	ug/l	98
39) Methylcyclohexane	9.179	83	75462	17.213	ug/l	93
40) Benzene	8.155	78	173938	18.175	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	25501m	21.400	ug/l	
42) 1,2-Dichloroethane	8.234	62	58397	19.269	ug/l	94
43) Isopropyl Acetate	8.271	43	82738	18.748	ug/l	96
44) Trichloroethene	8.935	130	49053	18.319	ug/l	99
45) 1,2-Dichloropropane	9.210	63	43982	17.600	ug/l	100
46) Dibromomethane	9.301	93	29082	19.183	ug/l	95
47) Bromodichloromethane	9.490	83	64789	18.133	ug/l	100
48) Methyl methacrylate	9.289	41	36349	18.304	ug/l	92
49) 1,4-Dioxane	9.295	88	10673	431.758	ug/l #	68
51) 4-Methyl-2-Pentanone	10.063	43	231754	100.017	ug/l	94
52) Toluene	10.240	92	111145	18.149	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	67833	17.356	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	74769	17.592	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	40168	19.021	ug/l	97
56) Ethyl methacrylate	10.508	69	59813	18.551	ug/l	90
57) 1,3-Dichloropropane	10.789	76	67771	18.606	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	155363	103.414	ug/l	94
59) 2-Hexanone	10.825	43	168324	99.612	ug/l	91
60) Dibromochloromethane	10.977	129	47713	18.428	ug/l	98
61) 1,2-Dibromoethane	11.087	107	39281	18.646	ug/l	97
64) Tetrachloroethene	10.715	164	49387	19.544	ug/l	97
65) Chlorobenzene	11.514	112	122342	18.272	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	46454	18.401	ug/l	98
67) Ethyl Benzene	11.587	91	216229	17.887	ug/l	98
68) m/p-Xylenes	11.697	106	166327	36.044	ug/l	97
69) o-Xylene	12.026	106	81767	18.192	ug/l	97
70) Styrene	12.038	104	138063	18.225	ug/l	97
71) Bromoform	12.203	173	32039	18.723	ug/l #	99
73) Isopropylbenzene	12.325	105	215193	16.905	ug/l	100
74) N-amyl acetate	12.142	43	71998	16.887	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	51968	17.902	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	36698m	17.873	ug/l	
77) Bromobenzene	12.605	156	51448	17.705	ug/l	98
78) n-propylbenzene	12.666	91	261517	17.049	ug/l	100
79) 2-Chlorotoluene	12.752	91	146946	16.632	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	180219	16.952	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	16573	15.628	ug/l	99
82) 4-Chlorotoluene	12.849	91	150921	16.586	ug/l	100
83) tert-Butylbenzene	13.069	119	162921	17.276	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	179390	17.194	ug/l	99
85) sec-Butylbenzene	13.251	105	238401	17.233	ug/l	100
86) p-Isopropyltoluene	13.367	119	197881	17.519	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	101574	17.961	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	102869	18.152	ug/l	98
89) n-Butylbenzene	13.690	91	186806	16.999	ug/l	96
90) Hexachloroethane	13.959	117	37386	16.115	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	92907	17.931	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	10325	18.598	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	59913	18.216	ug/l	99
94) Hexachlorobutadiene	15.111	225	31616	17.492	ug/l	99
95) Naphthalene	15.233	128	143266	18.696	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	53884	18.433	ug/l	98

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

