

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014423.D
 Acq On : 26 Jun 2023 10:58
 Operator : KP/MD
 Sample : VY0626SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0626SBS01

Quant Time: Jun 27 01:43:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 06/27/2023
 Supervised By :Mahesh Dadoda 06/27/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	228547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	330781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	309179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	152789	53.844	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.680%			
35) Dibromofluoromethane	7.716	113	107664	52.683	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.360%			
50) Toluene-d8	10.179	98	435593	53.620	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.240%			
62) 4-Bromofluorobenzene	12.483	95	154722	53.349	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45050	21.235	ug/l	93
3) Chloromethane	2.113	50	36150	17.412	ug/l	99
4) Vinyl Chloride	2.247	62	41999	18.561	ug/l	94
5) Bromomethane	2.631	94	40888	20.566	ug/l	99
6) Chloroethane	2.784	64	29953	19.984	ug/l	99
7) Trichlorofluoromethane	3.119	101	94373	21.124	ug/l	100
8) Diethyl Ether	3.527	74	26110	19.169	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.887	101	40443	19.154	ug/l	93
10) Methyl Iodide	4.088	142	43258	17.486	ug/l	92
11) Tert butyl alcohol	4.954	59	42694	100.579	ug/l #	86
12) 1,1-Dichloroethene	3.869	96	40864	19.408	ug/l	96
13) Acrolein	3.723	56	34517	93.773	ug/l	96
14) Allyl chloride	4.472	41	56995	16.949	ug/l #	83
15) Acrylonitrile	5.161	53	67158	88.176	ug/l	99
16) Acetone	3.948	43	77795	87.126	ug/l	98
17) Carbon Disulfide	4.186	76	124606	19.124	ug/l	100
18) Methyl Acetate	4.472	43	51343	16.726	ug/l	91
19) Methyl tert-butyl Ether	5.222	73	125400	19.364	ug/l	98
20) Methylene Chloride	4.716	84	48053	14.713	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	43853	18.942	ug/l	94
22) Diisopropyl ether	6.118	45	113672	17.010	ug/l #	96
23) Vinyl Acetate	6.064	43	358934	105.201	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	71397	17.992	ug/l	96
25) 2-Butanone	6.990	43	89823	80.766	ug/l	92
26) 2,2-Dichloropropane	6.978	77	81544	19.434	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	48068	18.445	ug/l	96
28) Bromochloromethane	7.332	49	32286	18.656	ug/l #	72
29) Tetrahydrofuran	7.350	42	55357	83.477	ug/l #	85
30) Chloroform	7.508	83	85772	19.161	ug/l	99
31) Cyclohexane	7.789	56	61859	17.649	ug/l #	91
32) 1,1,1-Trichloroethane	7.697	97	85673	20.107	ug/l	98
36) 1,1-Dichloropropene	7.917	75	61136	19.413	ug/l	99
37) Ethyl Acetate	7.076	43	38438	17.710	ug/l	98
38) Carbon Tetrachloride	7.905	117	83769	21.137	ug/l	97
39) Methylcyclohexane	9.185	83	69796	19.263	ug/l	93
40) Benzene	8.161	78	171099	19.182	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	21624m	20.104	ug/l	
42) 1,2-Dichloroethane	8.240	62	68504	20.257	ug/l	98
43) Isopropyl Acetate	8.270	43	68089	17.767	ug/l #	95
44) Trichloroethene	8.941	130	50379	19.673	ug/l	97
45) 1,2-Dichloropropane	9.215	63	37105	17.643	ug/l	97
46) Dibromomethane	9.307	93	27169	18.904	ug/l	96
47) Bromodichloromethane	9.496	83	66030	19.712	ug/l	100
48) Methyl methacrylate	9.295	41	30854	17.335	ug/l	90
49) 1,4-Dioxane	9.295	88	9027	401.698	ug/l #	52
51) 4-Methyl-2-Pentanone	10.069	43	189511	87.618	ug/l	96
52) Toluene	10.246	92	115131	20.061	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	71720	19.748	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	71918	19.198	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	37916	19.702	ug/l	94
56) Ethyl methacrylate	10.508	69	52483	19.095	ug/l	92
57) 1,3-Dichloropropane	10.788	76	61932	19.132	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	130315	101.221	ug/l #	89
59) 2-Hexanone	10.831	43	147211	90.323	ug/l	99
60) Dibromochloromethane	10.983	129	51897	20.328	ug/l	98
61) 1,2-Dibromoethane	11.087	107	37419	19.528	ug/l	98
64) Tetrachloroethene	10.721	164	54528	20.725	ug/l	94
65) Chlorobenzene	11.520	112	126129	19.857	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	51370	20.077	ug/l	97
67) Ethyl Benzene	11.593	91	222907	19.708	ug/l	98
68) m/p-Xylenes	11.703	106	177503	40.180	ug/l	98
69) o-Xylene	12.032	106	84352	20.066	ug/l	100
70) Styrene	12.044	104	144004	19.987	ug/l	99
71) Bromoform	12.209	173	38757	20.496	ug/l #	97
73) Isopropylbenzene	12.331	105	226035	19.106	ug/l	99
74) N-amyl acetate	12.142	43	62732	16.743	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	44719	17.687	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	31610m	14.342	ug/l	
77) Bromobenzene	12.605	156	58761	19.103	ug/l	90
78) n-propylbenzene	12.672	91	270524	18.953	ug/l	96
79) 2-Chlorotoluene	12.757	91	154281	18.927	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	199798	19.523	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	16821	17.376	ug/l	89
82) 4-Chlorotoluene	12.855	91	161001	18.541	ug/l	96
83) tert-Butylbenzene	13.074	119	169525	19.322	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	200297	19.751	ug/l	100
85) sec-Butylbenzene	13.251	105	246084	19.395	ug/l	97
86) p-Isopropyltoluene	13.367	119	219724	20.002	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	118557	19.982	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	117840	19.756	ug/l	99
89) n-Butylbenzene	13.696	91	193361	19.265	ug/l	98
90) Hexachloroethane	13.958	117	39464	18.884	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	105638	19.503	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10876	19.463	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	70785	20.115	ug/l	99
94) Hexachlorobutadiene	15.111	225	43428	20.545	ug/l	98
95) Naphthalene	15.233	128	142297	18.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	62642	19.550	ug/l	99

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

