

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122123\
 Data File : VY016779.D
 Acq On : 22 Dec 2023 01:05
 Operator : SY/MD
 Sample : VY1221SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1221SBS03

Quant Time: Dec 22 03:17:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/22/2023
 Supervised By :Semsettin Yesilyurt 12/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	134614	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	241839	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	209512	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	88324	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	74231	60.405	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.820%			
35) Dibromofluoromethane	7.746	113	75529	54.521	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.040%			
50) Toluene-d8	10.203	98	273437	54.754	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.500%			
62) 4-Bromofluorobenzene	12.501	95	87212	53.829	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	22800	19.819	ug/l	98
3) Chloromethane	2.131	50	36838	20.832	ug/l	95
4) Vinyl Chloride	2.272	62	40531	20.292	ug/l	99
5) Bromomethane	2.668	94	30540	21.468	ug/l	98
6) Chloroethane	2.814	64	27851	20.578	ug/l	99
7) Trichlorofluoromethane	3.156	101	45849	19.705	ug/l	97
8) Diethyl Ether	3.558	74	16567	22.258	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.936	101	28444	19.928	ug/l	100
10) Methyl Iodide	4.125	142	29147	19.597	ug/l	99
11) Tert butyl alcohol	5.003	59	14081	139.751	ug/l	99
12) 1,1-Dichloroethene	3.905	96	25986	20.448	ug/l	97
13) Acrolein	3.765	56	12503	160.830	ug/l	97
14) Allyl chloride	4.521	41	42454	21.811	ug/l	98
15) Acrylonitrile	5.204	53	39491	125.285	ug/l	99
16) Acetone	3.979	43	41983	126.339	ug/l	99
17) Carbon Disulfide	4.229	76	67382	19.487	ug/l	98
18) Methyl Acetate	4.521	43	30569	23.539	ug/l	99
19) Methyl tert-butyl Ether	5.265	73	74241	22.704	ug/l	99
20) Methylene Chloride	4.759	84	44106	24.088	ug/l	99
21) trans-1,2-Dichloroethene	5.259	96	30894	21.315	ug/l	99
22) Diisopropyl ether	6.161	45	102944	23.377	ug/l	97
23) Vinyl Acetate	6.100	43	224576	107.827	ug/l	99
24) 1,1-Dichloroethane	6.058	63	60388	22.828	ug/l	97
25) 2-Butanone	7.027	43	56478	123.444	ug/l	98
26) 2,2-Dichloropropane	7.021	77	47030	20.373	ug/l	100
27) cis-1,2-Dichloroethene	7.027	96	36693	21.997	ug/l	97
28) Bromochloromethane	7.374	49	24311	23.219	ug/l	100
29) Tetrahydrofuran	7.387	42	31572	126.201	ug/l	98
30) Chloroform	7.539	83	62166	22.956	ug/l	100
31) Cyclohexane	7.819	56	45766	19.438	ug/l #	94
32) 1,1,1-Trichloroethane	7.740	97	51495	21.663	ug/l	98
36) 1,1-Dichloropropene	7.954	75	43379	19.532	ug/l	99
37) Ethyl Acetate	7.112	43	23528	24.716	ug/l	98
38) Carbon Tetrachloride	7.935	117	41735	18.991	ug/l	99
39) Methylcyclohexane	9.215	83	44902	17.511	ug/l	98
40) Benzene	8.191	78	135032	20.894	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	13274	26.264	ug/l	96
42) 1,2-Dichloroethane	8.264	62	37423	22.195	ug/l	99
43) Isopropyl Acetate	8.301	43	42107	22.775	ug/l	98
44) Trichloroethene	8.966	130	33271	20.170	ug/l	99
45) 1,2-Dichloropropane	9.246	63	34830	21.484	ug/l	99
46) Dibromomethane	9.331	93	18100	21.612	ug/l	99
47) Bromodichloromethane	9.520	83	47362	21.456	ug/l	95
48) Methyl methacrylate	9.319	41	22534	21.930	ug/l	97
49) 1,4-Dioxane	9.331	88	3824	470.430	ug/l	95
51) 4-Methyl-2-Pentanone	10.093	43	114657	116.394	ug/l	100
52) Toluene	10.270	92	81527	21.050	ug/l	100
53) t-1,3-Dichloropropene	10.490	75	42285	21.008	ug/l	98
54) cis-1,3-Dichloropropene	9.953	75	51394	21.169	ug/l	97
55) 1,1,2-Trichloroethane	10.666	97	26153	21.887	ug/l	96
56) Ethyl methacrylate	10.532	69	23381	22.252	ug/l	96
57) 1,3-Dichloropropane	10.813	76	45878	22.604	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.807	63	62125	109.908	ug/l	99
59) 2-Hexanone	10.855	43	81340	110.737	ug/l	99
60) Dibromochloromethane	11.008	129	30082	21.762	ug/l	98
61) 1,2-Dibromoethane	11.111	107	23503	21.933	ug/l	99
64) Tetrachloroethene	10.746	164	26935	20.696	ug/l	93
65) Chlorobenzene	11.538	112	85232	20.706	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.611	131	32092	20.721	ug/l	100
67) Ethyl Benzene	11.617	91	151366	19.978	ug/l	99
68) m/p-Xylenes	11.727	106	110981	39.668	ug/l	98
69) o-Xylene	12.050	106	51655	20.125	ug/l	98
70) Styrene	12.069	104	77173	20.319	ug/l	99
71) Bromoform	12.227	173	16189	20.966	ug/l #	97
73) Isopropylbenzene	12.349	105	138285	20.103	ug/l	99
74) N-amyl acetate	12.166	43	32317	22.386	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.605	83	31192	22.692	ug/l	98
76) 1,2,3-Trichloropropane	12.654	75	19330m	19.798	ug/l	
77) Bromobenzene	12.630	156	31173	20.773	ug/l	96
78) n-propylbenzene	12.690	91	168727	20.245	ug/l	100
79) 2-Chlorotoluene	12.776	91	95710	20.754	ug/l	99
80) 1,3,5-Trimethylbenzene	12.831	105	112822	20.720	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.398	75	8437	20.293	ug/l	99
82) 4-Chlorotoluene	12.873	91	98851	20.894	ug/l	100
83) tert-Butylbenzene	13.093	119	93075	19.651	ug/l	96
84) 1,2,4-Trimethylbenzene	13.142	105	110319	20.546	ug/l	97
85) sec-Butylbenzene	13.276	105	140742	20.062	ug/l	100
86) p-Isopropyltoluene	13.392	119	116840	19.999	ug/l	99
87) 1,3-Dichlorobenzene	13.385	146	59881	20.418	ug/l	100
88) 1,4-Dichlorobenzene	13.465	146	60226	21.031	ug/l	99
89) n-Butylbenzene	13.715	91	110395	19.767	ug/l	99
90) Hexachloroethane	13.983	117	25054	20.594	ug/l	97
91) 1,2-Dichlorobenzene	13.757	146	53299	21.333	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.373	75	4100	23.009	ug/l	93
93) 1,2,4-Trichlorobenzene	15.025	180	27186	20.507	ug/l	97
94) Hexachlorobutadiene	15.129	225	15147	20.116	ug/l	98
95) Naphthalene	15.257	128	51631	20.385	ug/l	100
96) 1,2,3-Trichlorobenzene	15.446	180	23063	20.427	ug/l	98

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

