

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015888.D
 Acq On : 10 Oct 2023 11:02
 Operator : SY/MD
 Sample : VY1010SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1010SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/11/2023
 Supervised By :Semsettin Yesilyurt 10/11/2023

Quant Time: Oct 11 01:16:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	182682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	305289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	275163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	84626	51.483	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.960%			
35) Dibromofluoromethane	7.728	113	85855	50.419	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.840%			
50) Toluene-d8	10.185	98	287969	51.313	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.620%			
62) 4-Bromofluorobenzene	12.489	95	110756	48.589	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	14389	19.692	ug/l	98
3) Chloromethane	2.119	50	13765	18.417	ug/l	97
4) Vinyl Chloride	2.259	62	17670	18.537	ug/l	97
5) Bromomethane	2.650	94	15885	20.323	ug/l	97
6) Chloroethane	2.796	64	14896	19.901	ug/l	96
7) Trichlorofluoromethane	3.131	101	41477	20.506	ug/l	100
8) Diethyl Ether	3.540	74	17806	20.808	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.912	101	28224	20.561	ug/l	97
10) Methyl Iodide	4.101	142	21001	16.802	ug/l	95
11) Tert butyl alcohol	4.960	59	50641	128.492	ug/l #	96
12) 1,1-Dichloroethene	3.881	96	21057	19.943	ug/l	86
13) Acrolein	3.741	56	10103	100.561	ug/l	97
14) Allyl chloride	4.491	41	39562	20.322	ug/l	91
15) Acrylonitrile	5.174	53	64053	108.854	ug/l	97
16) Acetone	3.960	43	74405	98.519	ug/l #	88
17) Carbon Disulfide	4.204	76	21444	15.573	ug/l #	94
18) Methyl Acetate	4.491	43	44909	20.153	ug/l	91
19) Methyl tert-butyl Ether	5.235	73	103138	21.556	ug/l	98
20) Methylene Chloride	4.729	84	44450	20.433	ug/l	90
21) trans-1,2-Dichloroethene	5.235	96	24509	20.004	ug/l	92
22) Diisopropyl ether	6.131	45	115378	22.158	ug/l	92
23) Vinyl Acetate	6.076	43	312249	109.053	ug/l	96
24) 1,1-Dichloroethane	6.033	63	60751	21.180	ug/l	96
25) 2-Butanone	6.996	43	99044	109.840	ug/l	93
26) 2,2-Dichloropropane	6.990	77	55465	20.793	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	37974	21.000	ug/l	95
28) Bromochloromethane	7.338	49	34603	20.932	ug/l	95
29) Tetrahydrofuran	7.362	42	52460	106.349	ug/l	93
30) Chloroform	7.521	83	69204	21.631	ug/l	100
31) Cyclohexane	7.795	56	33406	18.976	ug/l #	87
32) 1,1,1-Trichloroethane	7.710	97	54480	20.851	ug/l	98
36) 1,1-Dichloropropene	7.929	75	36974	19.605	ug/l	98
37) Ethyl Acetate	7.088	43	35605	21.983	ug/l	96
38) Carbon Tetrachloride	7.905	117	45802	20.223	ug/l	99
39) Methylcyclohexane	9.191	83	36070	18.829	ug/l	93
40) Benzene	8.167	78	122054	20.594	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	21641m	21.481	ug/l	
42) 1,2-Dichloroethane	8.246	62	43080	21.324	ug/l	94
43) Isopropyl Acetate	8.283	43	63898	21.312	ug/l	95
44) Trichloroethene	8.947	130	35268	20.564	ug/l	98
45) 1,2-Dichloropropane	9.222	63	38628	21.668	ug/l	98
46) Dibromomethane	9.313	93	22469	21.180	ug/l	96
47) Bromodichloromethane	9.502	83	56691	21.487	ug/l	98
48) Methyl methacrylate	9.301	41	28293	21.368	ug/l	88
49) 1,4-Dioxane	9.301	88	8264	448.125	ug/l #	52
51) 4-Methyl-2-Pentanone	10.075	43	194247	108.290	ug/l	92
52) Toluene	10.252	92	81883	20.814	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	55559	20.830	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	60972	21.044	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	37734	22.338	ug/l	97
56) Ethyl methacrylate	10.514	69	49078	21.401	ug/l #	85
57) 1,3-Dichloropropane	10.794	76	58594	21.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	149180	106.726	ug/l	96
59) 2-Hexanone	10.837	43	149955	110.499	ug/l	91
60) Dibromochloromethane	10.990	129	43957	21.707	ug/l	99
61) 1,2-Dibromoethane	11.093	107	32943	21.353	ug/l	100
64) Tetrachloroethene	10.727	164	36929	20.565	ug/l	97
65) Chlorobenzene	11.520	112	100286	20.895	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	41597	21.204	ug/l	97
67) Ethyl Benzene	11.599	91	170422	20.697	ug/l	98
68) m/p-Xylenes	11.709	106	129196	41.640	ug/l	96
69) o-Xylene	12.032	106	65418	21.073	ug/l	98
70) Styrene	12.050	104	115724	21.366	ug/l	96
71) Bromoform	12.215	173	28967	21.204	ug/l #	98
73) Isopropylbenzene	12.331	105	180298	20.825	ug/l	100
74) N-amyl acetate	12.148	43	59202	21.699	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	48442	21.579	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	34935m	21.805	ug/l	
77) Bromobenzene	12.611	156	44549	20.985	ug/l	97
78) n-propylbenzene	12.678	91	218205	20.958	ug/l	100
79) 2-Chlorotoluene	12.764	91	125276	21.123	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	151894	21.287	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	15278	21.146	ug/l	93
82) 4-Chlorotoluene	12.861	91	130802	21.164	ug/l	99
83) tert-Butylbenzene	13.081	119	140284	21.066	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	153666	21.385	ug/l	99
85) sec-Butylbenzene	13.257	105	209283	21.429	ug/l	99
86) p-Isopropyltoluene	13.373	119	171682	21.250	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	91568	21.425	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	91842	21.339	ug/l	99
89) n-Butylbenzene	13.703	91	164576	21.526	ug/l	97
90) Hexachloroethane	13.965	117	35070	21.630	ug/l	89
91) 1,2-Dichlorobenzene	13.745	146	86281	21.718	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8548	21.682	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	54037	21.223	ug/l	98
94) Hexachlorobutadiene	15.117	225	29519	21.651	ug/l	97
95) Naphthalene	15.239	128	120181	20.404	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	48290	21.321	ug/l	98

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

