

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111623\
 Data File : VY016381.D
 Acq On : 16 Nov 2023 11:28
 Operator : SY/MD
 Sample : VY1116SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1116SBS02

Quant Time: Nov 17 04:03:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/17/2023
 Supervised By :Semsettin Yesilyurt 11/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	158986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	254915	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	223752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	73297	50.443	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.880%			
35) Dibromofluoromethane	7.722	113	77705	53.661	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.320%			
50) Toluene-d8	10.185	98	298182	50.778	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.560%			
62) 4-Bromofluorobenzene	12.483	95	96463	50.578	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29076	18.677	ug/l	99
3) Chloromethane	2.113	50	30605	16.787	ug/l	95
4) Vinyl Chloride	2.253	62	32955	16.810	ug/l	99
5) Bromomethane	2.650	94	22061	17.123	ug/l	98
6) Chloroethane	2.796	64	22135	17.694	ug/l	95
7) Trichlorofluoromethane	3.125	101	54243	19.017	ug/l	96
8) Diethyl Ether	3.534	74	16132	18.924	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	31845	18.537	ug/l	96
10) Methyl Iodide	4.094	142	33197	17.892	ug/l	97
11) Tert butyl alcohol	4.960	59	10122	88.956	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	28780	17.914	ug/l	89
13) Acrolein	3.735	56	12692	92.476	ug/l	99
14) Allyl chloride	4.485	41	40787	17.890	ug/l #	92
15) Acrylonitrile	5.167	53	33038	97.659	ug/l	97
16) Acetone	3.948	43	29778	123.891	ug/l #	86
17) Carbon Disulfide	4.198	76	76550	15.792	ug/l	97
18) Methyl Acetate	4.479	43	24017	18.805	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	73674	18.947	ug/l	100
20) Methylene Chloride	4.716	84	38882	20.871	ug/l #	84
21) trans-1,2-Dichloroethene	5.228	96	32570	17.607	ug/l	89
22) Diisopropyl ether	6.125	45	93838	19.098	ug/l	89
23) Vinyl Acetate	6.064	43	221179	92.902	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	57182	18.865	ug/l	97
25) 2-Butanone	6.990	43	45105	107.139	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	52968	19.200	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	38264	19.194	ug/l	91
28) Bromochloromethane	7.338	49	21857	19.483	ug/l	85
29) Tetrahydrofuran	7.356	42	26064	93.666	ug/l	88
30) Chloroform	7.515	83	62081	19.676	ug/l	95
31) Cyclohexane	7.789	56	48234	16.860	ug/l #	82
32) 1,1,1-Trichloroethane	7.704	97	57369	19.836	ug/l	97
36) 1,1-Dichloropropene	7.923	75	46014	18.300	ug/l	98
37) Ethyl Acetate	7.076	43	19291	18.988	ug/l #	94
38) Carbon Tetrachloride	7.905	117	51563	19.759	ug/l	95
39) Methylcyclohexane	9.185	83	54267	17.320	ug/l	91
40) Benzene	8.161	78	135422	19.169	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	10355	20.214	ug/l	96
42) 1,2-Dichloroethane	8.240	62	36343	19.855	ug/l	92
43) Isopropyl Acetate	8.277	43	36654	18.664	ug/l #	90
44) Trichloroethene	8.941	130	38655	19.039	ug/l	97
45) 1,2-Dichloropropane	9.216	63	33568	19.786	ug/l	97
46) Dibromomethane	9.307	93	17796	19.356	ug/l	98
47) Bromodichloromethane	9.502	83	47315	20.018	ug/l	100
48) Methyl methacrylate	9.295	41	20161	18.576	ug/l #	85
49) 1,4-Dioxane	9.301	88	3724	381.532	ug/l #	45
51) 4-Methyl-2-Pentanone	10.069	43	94052	94.708	ug/l	90
52) Toluene	10.246	92	85043	19.044	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	44725	19.519	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	52618	19.226	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	25655	20.246	ug/l	95
56) Ethyl methacrylate	10.508	69	22275	18.621	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	42608	19.726	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	76755	94.630	ug/l	93
59) 2-Hexanone	10.831	43	75629	102.386	ug/l	88
60) Dibromochloromethane	10.990	129	32328	20.399	ug/l	99
61) 1,2-Dibromoethane	11.093	107	24033	19.907	ug/l	99
64) Tetrachloroethene	10.721	164	38451	19.139	ug/l	97
65) Chlorobenzene	11.520	112	91418	19.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	35240	19.986	ug/l	99
67) Ethyl Benzene	11.593	91	163688	19.053	ug/l	100
68) m/p-Xylenes	11.703	106	124174	38.106	ug/l	95
69) o-Xylene	12.032	106	58239	19.249	ug/l	97
70) Styrene	12.044	104	85775	19.799	ug/l	98
71) Bromoform	12.209	173	18621	20.353	ug/l #	99
73) Isopropylbenzene	12.331	105	160653	18.928	ug/l	100
74) N-amyl acetate	12.148	43	30053	17.628	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	27133	19.923	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	21542m	21.425	ug/l	
77) Bromobenzene	12.611	156	37171	19.378	ug/l	93
78) n-propylbenzene	12.672	91	191247	19.067	ug/l	100
79) 2-Chlorotoluene	12.758	91	106293	19.229	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	133249	19.472	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8761	18.914	ug/l	92
82) 4-Chlorotoluene	12.855	91	109515	19.173	ug/l	98
83) tert-Butylbenzene	13.075	119	118898	19.726	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	129150	19.168	ug/l	96
85) sec-Butylbenzene	13.257	105	165308	19.198	ug/l	100
86) p-Isopropyltoluene	13.373	119	142137	19.170	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	72529	19.653	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	70415	19.523	ug/l	98
89) n-Butylbenzene	13.696	91	128934	18.830	ug/l	97
90) Hexachloroethane	13.959	117	27845	19.468	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	62187	19.665	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3955	18.253	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	35411	19.184	ug/l	100
94) Hexachlorobutadiene	15.117	225	21025	19.881	ug/l	98
95) Naphthalene	15.239	128	62175	18.833	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	28621	18.746	ug/l	98

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

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