

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015613.D
 Acq On : 18 Sep 2023 14:16
 Operator : SY/MD
 Sample : VY0918SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0918SBS02

Quant Time: Sep 18 17:32:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	181532	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	306563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	276509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	100135	51.457	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.920%			
35) Dibromofluoromethane	7.722	113	94450	53.490	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.980%			
50) Toluene-d8	10.179	98	306625	47.952	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.900%			
62) 4-Bromofluorobenzene	12.483	95	121923	51.361	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	24056	15.245	ug/l	96
3) Chloromethane	2.113	50	29705	14.174	ug/l	98
4) Vinyl Chloride	2.253	62	35337	14.487	ug/l	97
5) Bromomethane	2.644	94	24454	14.089	ug/l	99
6) Chloroethane	2.784	64	26069	16.259	ug/l	95
7) Trichlorofluoromethane	3.119	101	59653	17.289	ug/l	98
8) Diethyl Ether	3.534	74	25709	21.803	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	35951	18.799	ug/l	97
10) Methyl Iodide	4.095	142	36342	16.182	ug/l	98
11) Tert butyl alcohol	4.991	59	42695	85.026	ug/l #	83
12) 1,1-Dichloroethene	3.869	96	31836	17.642	ug/l	91
13) Acrolein	3.735	56	30327	65.129	ug/l	99
14) Allyl chloride	4.479	41	57482	20.007	ug/l	97
15) Acrylonitrile	5.168	53	88420	119.165	ug/l	99
16) Acetone	3.960	43	100363	123.562	ug/l	95
17) Carbon Disulfide	4.198	76	60121	11.144	ug/l	98
18) Methyl Acetate	4.485	43	67203	22.843	ug/l	93
19) Methyl tert-butyl Ether	5.235	73	134817	22.987	ug/l	98
20) Methylene Chloride	4.716	84	59748	18.604	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	38447	18.502	ug/l	91
22) Diisopropyl ether	6.125	45	142493	22.676	ug/l	94
23) Vinyl Acetate	6.064	43	442721	111.589	ug/l	97
24) 1,1-Dichloroethane	6.021	63	78537	21.621	ug/l	97
25) 2-Butanone	6.990	43	142096	123.343	ug/l	98
26) 2,2-Dichloropropane	6.984	77	64970	21.058	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	49899	21.167	ug/l	96
28) Bromochloromethane	7.338	49	22657	20.340	ug/l	98
29) Tetrahydrofuran	7.356	42	82996	114.722	ug/l	94
30) Chloroform	7.509	83	85258	22.327	ug/l	98
31) Cyclohexane	7.789	56	54868	15.873	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	69985	20.519	ug/l	99
36) 1,1-Dichloropropene	7.917	75	54694	17.641	ug/l	100
37) Ethyl Acetate	7.082	43	54790	22.913	ug/l	97
38) Carbon Tetrachloride	7.905	117	59974	18.729	ug/l	98
39) Methylcyclohexane	9.185	83	61260	15.694	ug/l	96
40) Benzene	8.161	78	169852	19.636	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	25762	22.974	ug/l	96
42) 1,2-Dichloroethane	8.240	62	59377	20.585	ug/l	95
43) Isopropyl Acetate	8.277	43	93863	22.700	ug/l	98
44) Trichloroethene	8.941	130	48833	19.953	ug/l	100
45) 1,2-Dichloropropane	9.216	63	47162	21.628	ug/l	98
46) Dibromomethane	9.307	93	30144	20.811	ug/l	97
47) Bromodichloromethane	9.496	83	68028	21.961	ug/l	97
48) Methyl methacrylate	9.295	41	41292	21.765	ug/l	92
49) 1,4-Dioxane	9.307	88	11914	442.815	ug/l #	55
51) 4-Methyl-2-Pentanone	10.075	43	284235	118.268	ug/l	94
52) Toluene	10.246	92	110919	20.006	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	72096	21.900	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	78386	21.889	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	44084	22.587	ug/l	97
56) Ethyl methacrylate	10.514	69	65191	22.540	ug/l	90
57) 1,3-Dichloropropane	10.788	76	75403	22.444	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	106107	102.783	ug/l	95
59) 2-Hexanone	10.831	43	218640	121.243	ug/l	92
60) Dibromochloromethane	10.984	129	52120	22.816	ug/l	100
61) 1,2-Dibromoethane	11.093	107	43771	22.133	ug/l	99
64) Tetrachloroethene	10.721	164	52808	21.041	ug/l	95
65) Chlorobenzene	11.520	112	128772	21.612	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	48994	22.465	ug/l	97
67) Ethyl Benzene	11.593	91	219218	20.489	ug/l	100
68) m/p-Xylenes	11.703	106	169619	40.900	ug/l	96
69) o-Xylene	12.032	106	84040	21.204	ug/l	97
70) Styrene	12.044	104	144972	21.754	ug/l	97
71) Bromoform	12.209	173	35314	23.213	ug/l #	98
73) Isopropylbenzene	12.331	105	220793	20.677	ug/l	99
74) N-amyl acetate	12.142	43	80489	22.436	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	57900	22.714	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	48365m	25.655	ug/l	
77) Bromobenzene	12.611	156	54563	21.574	ug/l	95
78) n-propylbenzene	12.672	91	266823	20.650	ug/l	100
79) 2-Chlorotoluene	12.758	91	151617	20.921	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	187551	20.998	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	19174	22.435	ug/l	99
82) 4-Chlorotoluene	12.855	91	158789	21.082	ug/l	99
83) tert-Butylbenzene	13.075	119	161283	20.616	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	186268	21.004	ug/l	97
85) sec-Butylbenzene	13.251	105	242740	20.803	ug/l	100
86) p-Isopropyltoluene	13.367	119	203722	20.832	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	109234	21.877	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	110118	21.818	ug/l	98
89) n-Butylbenzene	13.696	91	192851	20.952	ug/l	97
90) Hexachloroethane	13.959	117	38689	22.120	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	101951	22.375	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11827	23.454	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	65253	22.803	ug/l	99
94) Hexachlorobutadiene	15.111	225	34224	21.933	ug/l	97
95) Naphthalene	15.239	128	164767	23.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	59480	22.788	ug/l	99

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

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