

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015588.D
 Acq On : 15 Sep 2023 23:38
 Operator : SY/MD
 Sample : VY0915SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0915SBS03

Quant Time: Sep 15 23:55:40 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 09/27/2023
 Supervised By :Mahesh Dadoda 09/27/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	170037	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	292861	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	269081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	96283	52.822	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.640%			
35) Dibromofluoromethane	7.722	113	87983	52.159	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.320%			
50) Toluene-d8	10.185	98	291320	47.690	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.380%			
62) 4-Bromofluorobenzene	12.483	95	113276	49.951	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	23245	15.727	ug/l	99
3) Chloromethane	2.113	50	30425	15.499	ug/l	100
4) Vinyl Chloride	2.253	62	33906	14.840	ug/l	100
5) Bromomethane	2.644	94	25309	15.568	ug/l	99
6) Chloroethane	2.790	64	25722	17.128	ug/l	99
7) Trichlorofluoromethane	3.119	101	57061	17.656	ug/l	98
8) Diethyl Ether	3.534	74	24567	22.243	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.899	101	34470	19.243	ug/l	95
10) Methyl Iodide	4.095	142	33871	16.102	ug/l	97
11) Tert butyl alcohol	4.936	59	109337	275.972	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	30171	17.850	ug/l	88
13) Acrolein	3.735	56	23495	55.881	ug/l	98
14) Allyl chloride	4.485	41	55414	20.591	ug/l	96
15) Acrylonitrile	5.174	53	86657	124.685	ug/l	98
16) Acetone	3.966	43	93432	122.805	ug/l	93
17) Carbon Disulfide	4.198	76	62069	12.283	ug/l	98
18) Methyl Acetate	4.491	43	75797	27.506	ug/l	96
19) Methyl tert-butyl Ether	5.235	73	126812	23.083	ug/l	100
20) Methylene Chloride	4.722	84	103827	41.156	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	35644	18.313	ug/l	98
22) Diisopropyl ether	6.131	45	137013	23.278	ug/l	92
23) Vinyl Acetate	6.070	43	378025	101.723	ug/l #	95
24) 1,1-Dichloroethane	6.027	63	73891	21.717	ug/l	99
25) 2-Butanone	6.996	43	141262	130.909	ug/l	99
26) 2,2-Dichloropropane	6.990	77	62610	21.665	ug/l	95
27) cis-1,2-Dichloroethene	6.990	96	47526	21.524	ug/l	99
28) Bromochloromethane	7.344	49	22889	21.937	ug/l	96
29) Tetrahydrofuran	7.356	42	83084	122.608	ug/l	96
30) Chloroform	7.509	83	79938	22.349	ug/l	98
31) Cyclohexane	7.789	56	53777	16.609	ug/l	92
32) 1,1,1-Trichloroethane	7.710	97	65979	20.652	ug/l	98
36) 1,1-Dichloropropene	7.923	75	52248	17.640	ug/l	100
37) Ethyl Acetate	7.082	43	51784	22.669	ug/l	95
38) Carbon Tetrachloride	7.905	117	56060	18.326	ug/l	99
39) Methylcyclohexane	9.191	83	59455	15.945	ug/l	95
40) Benzene	8.167	78	160979	19.481	ug/l	100

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41) Methacrylonitrile	7.313	41	22983m	21.455	ug/l	
42) 1,2-Dichloroethane	8.240	62	56577	20.532	ug/l	95
43) Isopropyl Acetate	8.283	43	88956	22.520	ug/l	98
44) Trichloroethene	8.941	130	45775	19.578	ug/l	99
45) 1,2-Dichloropropane	9.222	63	44832	21.521	ug/l	97
46) Dibromomethane	9.313	93	28621	20.684	ug/l	95
47) Bromodichloromethane	9.502	83	63952	21.611	ug/l	97
48) Methyl methacrylate	9.295	41	39250	21.657	ug/l	91
49) 1,4-Dioxane	9.319	88	11375	442.562	ug/l #	47
51) 4-Methyl-2-Pentanone	10.075	43	276842	120.581	ug/l	94
52) Toluene	10.246	92	104167	19.667	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	64493	20.507	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	70000	20.462	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	42224	22.646	ug/l	95
56) Ethyl methacrylate	10.514	69	61081	22.107	ug/l	90
57) 1,3-Dichloropropane	10.795	76	71060	22.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	103196	104.640	ug/l	96
59) 2-Hexanone	10.837	43	207630	120.524	ug/l	94
60) Dibromochloromethane	10.990	129	48963	22.437	ug/l	98
61) 1,2-Dibromoethane	11.093	107	41333	21.878	ug/l	100
64) Tetrachloroethene	10.727	164	53718	21.994	ug/l	97
65) Chlorobenzene	11.520	112	117057	20.188	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	44950	21.180	ug/l	96
67) Ethyl Benzene	11.599	91	204865	19.676	ug/l	97
68) m/p-Xylenes	11.709	106	157539	39.036	ug/l	95
69) o-Xylene	12.032	106	77066	19.981	ug/l	98
70) Styrene	12.050	104	133684	20.614	ug/l	96
71) Bromoform	12.215	173	32650	22.054	ug/l #	98
73) Isopropylbenzene	12.337	105	204184	20.496	ug/l	100
74) N-amyl acetate	12.148	43	74903	22.380	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	54758	23.025	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	43313m	24.626	ug/l	
77) Bromobenzene	12.611	156	50546	21.422	ug/l	95
78) n-propylbenzene	12.678	91	244235	20.261	ug/l	100
79) 2-Chlorotoluene	12.764	91	140503	20.781	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	170581	20.471	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	16530	20.732	ug/l	99
82) 4-Chlorotoluene	12.861	91	144804	20.607	ug/l	100
83) tert-Butylbenzene	13.081	119	148982	20.413	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	171648	20.747	ug/l	99
85) sec-Butylbenzene	13.258	105	223144	20.499	ug/l	100
86) p-Isopropyltoluene	13.373	119	186357	20.426	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	97141	20.854	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	98567	20.933	ug/l	98
89) n-Butylbenzene	13.703	91	173785	20.238	ug/l	98
90) Hexachloroethane	13.965	117	35013	21.457	ug/l	89
91) 1,2-Dichlorobenzene	13.745	146	92805	21.832	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10832	23.025	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	54315	20.345	ug/l	98
94) Hexachlorobutadiene	15.117	225	29449	20.230	ug/l	98
95) Naphthalene	15.239	128	147331	22.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	51840	21.289	ug/l	98

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

