

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015771.D
 Acq On : 29 Sep 2023 22:09
 Operator : SY/MD
 Sample : VY0929SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0929SBS02

Quant Time: Sep 30 01:20:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/02/2023
 Supervised By :Semsettin Yesilyurt 10/02/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	190910	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	331320	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	300772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	91716	43.663	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.320%		
35) Dibromofluoromethane	7.728	113	80066	40.375	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.740%		
50) Toluene-d8	10.185	98	286044	42.542	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.080%		
62) 4-Bromofluorobenzene	12.483	95	106733	40.450	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	16627	13.213	ug/l	99
3) Chloromethane	2.113	50	21909	13.800	ug/l	96
4) Vinyl Chloride	2.253	62	25844	14.238	ug/l	90
5) Bromomethane	2.656	94	21186	14.105	ug/l	99
6) Chloroethane	2.796	64	18777	13.956	ug/l	97
7) Trichlorofluoromethane	3.119	101	48038	15.780	ug/l	99
8) Diethyl Ether	3.540	74	21321	16.424	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.905	101	30167	15.827	ug/l	94
10) Methyl Iodide	4.094	142	23972	12.840	ug/l	98
11) Tert butyl alcohol	5.027	59	41581	52.594	ug/l #	96
12) 1,1-Dichloroethene	3.881	96	24310	14.474	ug/l	89
13) Acrolein	3.747	56	15256	47.424	ug/l	99
14) Allyl chloride	4.491	41	45865	14.936	ug/l	95
15) Acrylonitrile	5.180	53	85217	89.483	ug/l	98
16) Acetone	3.979	43	90665	80.654	ug/l	95
17) Carbon Disulfide	4.198	76	35437	10.861	ug/l	100
18) Methyl Acetate	4.497	43	72373	19.189	ug/l	94
19) Methyl tert-butyl Ether	5.234	73	119725	17.502	ug/l	98
20) Methylene Chloride	4.728	84	55956	19.807	ug/l	89
21) trans-1,2-Dichloroethene	5.234	96	29215	15.218	ug/l	94
22) Diisopropyl ether	6.137	45	122421	16.565	ug/l	92
23) Vinyl Acetate	6.076	43	354120	77.632	ug/l #	94
24) 1,1-Dichloroethane	6.027	63	64999	16.136	ug/l	97
25) 2-Butanone	7.008	43	133353	83.928	ug/l	96
26) 2,2-Dichloropropane	6.990	77	51239	13.917	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	41429	16.256	ug/l	94
28) Bromochloromethane	7.344	49	22176	20.292	ug/l	93
29) Tetrahydrofuran	7.368	42	81076	90.279	ug/l	91
30) Chloroform	7.514	83	73920	17.136	ug/l	95
31) Cyclohexane	7.795	56	40756	14.006	ug/l #	84
32) 1,1,1-Trichloroethane	7.716	97	60191	16.902	ug/l	99
36) 1,1-Dichloropropene	7.929	75	42969	14.655	ug/l	99
37) Ethyl Acetate	7.094	43	54612	18.673	ug/l	97
38) Carbon Tetrachloride	7.905	117	50971	16.015	ug/l	99
39) Methylcyclohexane	9.191	83	44628	13.761	ug/l	94
40) Benzene	8.167	78	139427	15.593	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	25524	16.208	ug/l	92
42) 1,2-Dichloroethane	8.246	62	52568	17.166	ug/l	95
43) Isopropyl Acetate	8.283	43	86403	17.295	ug/l	98
44) Trichloroethene	8.947	130	42130	16.869	ug/l	97
45) 1,2-Dichloropropane	9.222	63	40176	16.112	ug/l	99
46) Dibromomethane	9.313	93	26487	16.606	ug/l	97
47) Bromodichloromethane	9.502	83	60254	16.948	ug/l	98
48) Methyl methacrylate	9.301	41	38248	17.442	ug/l	90
49) 1,4-Dioxane	9.331	88	12967	411.499	ug/l #	52
51) 4-Methyl-2-Pentanone	10.075	43	281827	91.014	ug/l	93
52) Toluene	10.252	92	91784	15.922	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	60745	15.933	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	64655	15.754	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	40731	17.425	ug/l	95
56) Ethyl methacrylate	10.520	69	60042	17.430	ug/l #	86
57) 1,3-Dichloropropane	10.794	76	66093	16.861	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	74167	67.781	ug/l	96
59) 2-Hexanone	10.837	43	214869	90.445	ug/l	92
60) Dibromochloromethane	10.989	129	47399	17.371	ug/l	100
61) 1,2-Dibromoethane	11.093	107	39541	17.291	ug/l	98
64) Tetrachloroethene	10.727	164	48686	18.867	ug/l	95
65) Chlorobenzene	11.520	112	108805	16.573	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	43961	17.238	ug/l	98
67) Ethyl Benzene	11.599	91	184198	16.052	ug/l	98
68) m/p-Xylenes	11.709	106	140758	32.272	ug/l	96
69) o-Xylene	12.032	106	70600	16.507	ug/l	97
70) Styrene	12.050	104	123056	16.809	ug/l	97
71) Bromoform	12.215	173	33601	18.182	ug/l #	100
73) Isopropylbenzene	12.337	105	189369	16.890	ug/l	100
74) N-amyl acetate	12.148	43	72842	17.286	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	54573	17.490	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	44044m	18.473	ug/l	
77) Bromobenzene	12.617	156	48164	17.501	ug/l	97
78) n-propylbenzene	12.678	91	225499	16.556	ug/l	99
79) 2-Chlorotoluene	12.764	91	131065	16.881	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	157287	16.758	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	17771	16.784	ug/l	96
82) 4-Chlorotoluene	12.861	91	135612	16.732	ug/l	100
83) tert-Butylbenzene	13.081	119	140567	17.099	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	159605	16.995	ug/l	99
85) sec-Butylbenzene	13.257	105	208378	16.938	ug/l	99
86) p-Isopropyltoluene	13.373	119	174023	16.934	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	92113	16.871	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	95543	17.497	ug/l	99
89) n-Butylbenzene	13.702	91	159042	16.344	ug/l	97
90) Hexachloroethane	13.965	117	34258	17.273	ug/l	90
91) 1,2-Dichlorobenzene	13.745	146	90402	17.937	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12337	19.908	ug/l	92
93) 1,2,4-Trichlorobenzene	15.013	180	55406	17.462	ug/l	99
94) Hexachlorobutadiene	15.117	225	29067	17.889	ug/l	96
95) Naphthalene	15.239	128	235318	28.442	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	52845	18.045	ug/l	98

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

