

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092523\
 Data File : VY015697.D
 Acq On : 25 Sep 2023 11:22
 Operator : SY/MD
 Sample : VY0925SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0925SBS01

Quant Time: Sep 26 04:22:50 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 09/26/2023
 Supervised By :Semsettin Yesilyurt 09/26/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	156358	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	261157	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	239606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	123140	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76079	44.222	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.440%		
35) Dibromofluoromethane	7.728	113	73488	47.014	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.020%		
50) Toluene-d8	10.185	98	236736	44.668	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.340%		
62) 4-Bromofluorobenzene	12.489	95	94341	45.359	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	17803	17.273	ug/l	95
3) Chloromethane	2.113	50	22474	17.284	ug/l	99
4) Vinyl Chloride	2.253	62	26611	17.900	ug/l	99
5) Bromomethane	2.649	94	20356	16.195	ug/l	97
6) Chloroethane	2.790	64	19280	17.497	ug/l	91
7) Trichlorofluoromethane	3.119	101	47656	19.114	ug/l	98
8) Diethyl Ether	3.540	74	19349	18.198	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	30510	19.544	ug/l	92
10) Methyl Iodide	4.094	142	24276	15.231	ug/l	99
11) Tert butyl alcohol	4.997	59	36087	61.583	ug/l #	85
12) 1,1-Dichloroethene	3.875	96	24492	17.805	ug/l	92
13) Acrolein	3.747	56	19766	75.021	ug/l	98
14) Allyl chloride	4.485	41	45700	18.171	ug/l	92
15) Acrylonitrile	5.180	53	72013	92.328	ug/l	98
16) Acetone	3.966	43	89089	96.766	ug/l	91
17) Carbon Disulfide	4.192	76	42631	15.953	ug/l	97
18) Methyl Acetate	4.491	43	55065	17.826	ug/l	98
19) Methyl tert-butyl Ether	5.234	73	103869	18.540	ug/l	97
20) Methylene Chloride	4.722	84	40446	16.851	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	28784	18.307	ug/l	92
22) Diisopropyl ether	6.131	45	114406	18.901	ug/l	96
23) Vinyl Acetate	6.070	43	347126	92.915	ug/l	95
24) 1,1-Dichloroethane	6.021	63	61211	18.554	ug/l	97
25) 2-Butanone	7.002	43	119605	91.910	ug/l	99
26) 2,2-Dichloropropane	6.990	77	53923	17.883	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	39396	18.874	ug/l	92
28) Bromochloromethane	7.344	49	12276	13.715	ug/l	99
29) Tetrahydrofuran	7.362	42	66833	90.864	ug/l	94
30) Chloroform	7.514	83	67585	19.129	ug/l	94
31) Cyclohexane	7.795	56	42856	17.982	ug/l	92
32) 1,1,1-Trichloroethane	7.710	97	55603	19.064	ug/l	99
36) 1,1-Dichloropropene	7.923	75	42730	18.488	ug/l	99
37) Ethyl Acetate	7.088	43	44430	19.273	ug/l	97
38) Carbon Tetrachloride	7.911	117	47995	19.131	ug/l	97
39) Methylcyclohexane	9.191	83	45904	17.957	ug/l	91
40) Benzene	8.173	78	132735	18.833	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	23444m	18.887	ug/l	
42) 1,2-Dichloroethane	8.246	62	45728	18.944	ug/l	94
43) Isopropyl Acetate	8.283	43	73267	18.606	ug/l	97
44) Trichloroethene	8.947	130	37865	19.235	ug/l	100
45) 1,2-Dichloropropane	9.221	63	37379	19.018	ug/l	98
46) Dibromomethane	9.313	93	23682	18.836	ug/l	94
47) Bromodichloromethane	9.502	83	53596	19.125	ug/l	99
48) Methyl methacrylate	9.301	41	31703	18.341	ug/l	90
49) 1,4-Dioxane	9.319	88	9929	399.743	ug/l #	58
51) 4-Methyl-2-Pentanone	10.075	43	228897	93.780	ug/l	92
52) Toluene	10.252	92	86195	18.970	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	56414	18.772	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	60648	18.748	ug/l	90
55) 1,1,2-Trichloroethane	10.654	97	35877	19.472	ug/l	93
56) Ethyl methacrylate	10.520	69	50953	18.765	ug/l	88
57) 1,3-Dichloropropane	10.794	76	59243	19.174	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	74550	86.436	ug/l	96
59) 2-Hexanone	10.837	43	182645	97.536	ug/l	92
60) Dibromochloromethane	10.989	129	41887	19.475	ug/l	99
61) 1,2-Dibromoethane	11.093	107	34519	19.150	ug/l	99
64) Tetrachloroethene	10.727	164	40047	19.481	ug/l	96
65) Chlorobenzene	11.520	112	99643	19.052	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	39601	19.493	ug/l	98
67) Ethyl Benzene	11.599	91	173370	18.965	ug/l	100
68) m/p-Xylenes	11.709	106	132820	38.226	ug/l	97
69) o-Xylene	12.038	106	64881	19.043	ug/l	99
70) Styrene	12.050	104	113904	19.531	ug/l	95
71) Bromoform	12.215	173	28749	19.528	ug/l #	99
73) Isopropylbenzene	12.337	105	175628	19.012	ug/l	100
74) N-amyl acetate	12.148	43	65295	18.806	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	48167	18.735	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	38166m	19.428	ug/l	
77) Bromobenzene	12.617	156	42586	18.781	ug/l	95
78) n-propylbenzene	12.678	91	211813	18.874	ug/l	100
79) 2-Chlorotoluene	12.764	91	118921	18.590	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	146344	18.924	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	16299	18.684	ug/l	96
82) 4-Chlorotoluene	12.861	91	124646	18.665	ug/l	99
83) tert-Butylbenzene	13.081	119	128890	19.029	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	147267	19.032	ug/l	98
85) sec-Butylbenzene	13.257	105	192090	18.951	ug/l	100
86) p-Isopropyltoluene	13.373	119	158421	18.710	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	85016	18.899	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	86569	19.241	ug/l	98
89) n-Butylbenzene	13.702	91	152997	19.082	ug/l	98
90) Hexachloroethane	13.965	117	31291	19.148	ug/l	88
91) 1,2-Dichlorobenzene	13.745	146	79864	19.232	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9637	18.874	ug/l	90
93) 1,2,4-Trichlorobenzene	15.013	180	50101	19.164	ug/l	99
94) Hexachlorobutadiene	15.117	225	25833	19.296	ug/l	98
95) Naphthalene	15.239	128	126913	18.618	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	46499	19.271	ug/l	98

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

