

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077409.D
 Acq On : 25 Oct 2023 12:36
 Operator : JC/SY
 Sample : VD1025SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS02

Quant Time: Oct 26 06:58:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	208540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	420712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	328924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	164192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	74409	39.959	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.920%		
35) Dibromofluoromethane	7.805	113	92008	31.129	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	62.260%		
50) Toluene-d8	10.269	98	324849	30.689	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	61.380%		
62) 4-Bromofluorobenzene	12.575	95	95777	31.433	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	62.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	41215	21.258	ug/l	95
3) Chloromethane	2.152	50	84467	21.395	ug/l	98
4) Vinyl Chloride	2.287	62	92239	19.779	ug/l	97
5) Bromomethane	2.693	94	56366	18.808	ug/l	97
6) Chloroethane	2.834	64	66190	20.189	ug/l	97
7) Trichlorofluoromethane	3.175	101	114076	24.113	ug/l	99
8) Diethyl Ether	3.593	74	20205	15.935	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.970	101	49272	20.131	ug/l	99
10) Methyl Iodide	4.170	142	53507	17.866	ug/l	93
11) Tert butyl alcohol	5.052	59	11711	111.797	ug/l #	93
12) 1,1-Dichloroethene	3.940	96	45585	18.985	ug/l	93
13) Acrolein	3.799	56	14507	79.779	ug/l	96
14) Allyl chloride	4.569	41	47565	20.878	ug/l	99
15) Acrylonitrile	5.258	53	43892	114.226	ug/l #	89
16) Acetone	4.022	43	41618	101.919	ug/l #	85
17) Carbon Disulfide	4.275	76	138785	19.662	ug/l	99
18) Methyl Acetate	4.564	43	27983	19.690	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	87278	21.341	ug/l	94
20) Methylene Chloride	4.799	84	65624	24.080	ug/l	98
21) trans-1,2-Dichloroethene	5.311	96	53399	21.382	ug/l	96
22) Diisopropyl ether	6.222	45	107143	23.958	ug/l	98
23) Vinyl Acetate	6.158	43	248020	118.340	ug/l	97
24) 1,1-Dichloroethane	6.111	63	87787	23.609	ug/l	98
25) 2-Butanone	7.081	43	47720	112.657	ug/l	92
26) 2,2-Dichloropropane	7.081	77	78378	23.118	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	61154	21.839	ug/l	100
28) Bromochloromethane	7.428	49	30418	22.395	ug/l	98
29) Tetrahydrofuran	7.446	42	26557	108.685	ug/l	98
30) Chloroform	7.599	83	97210	22.786	ug/l	97
31) Cyclohexane	7.875	56	64922	22.408	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	82546	22.428	ug/l	98
36) 1,1-Dichloropropene	8.005	75	69071	17.785	ug/l	96
37) Ethyl Acetate	7.175	43	19516	15.997	ug/l	99
38) Carbon Tetrachloride	7.993	117	75658	17.512	ug/l	99
39) Methylcyclohexane	9.275	83	81683	17.309	ug/l	89
40) Benzene	8.252	78	211814	17.972	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	10865	18.662	ug/l	93
42) 1,2-Dichloroethane	8.328	62	51712	18.628	ug/l	99
43) Isopropyl Acetate	8.363	43	38109	17.352	ug/l	98
44) Trichloroethene	9.028	130	59386	17.234	ug/l	97
45) 1,2-Dichloropropane	9.305	63	52139	19.191	ug/l	95
46) Dibromomethane	9.393	93	30263	17.817	ug/l	98
47) Bromodichloromethane	9.587	83	72986	18.021	ug/l	96
48) Methyl methacrylate	9.381	41	18361	18.481	ug/l	93
49) 1,4-Dioxane	9.387	88	5120	332.428	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	100315	91.119	ug/l	95
52) Toluene	10.334	92	136236	17.704	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	63336	17.422	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	76395	17.175	ug/l	97
55) 1,1,2-Trichloroethane	10.740	97	42281	17.973	ug/l	94
56) Ethyl methacrylate	10.599	69	37795	16.811	ug/l	99
57) 1,3-Dichloropropane	10.881	76	63861	17.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	97270	87.487	ug/l	97
59) 2-Hexanone	10.922	43	71850	90.869	ug/l	96
60) Dibromochloromethane	11.075	129	50976	16.970	ug/l	98
61) 1,2-Dibromoethane	11.181	107	39695	17.907	ug/l	99
64) Tetrachloroethene	10.810	164	49843	20.387	ug/l	96
65) Chlorobenzene	11.610	112	149713	20.882	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	56482	20.725	ug/l	95
67) Ethyl Benzene	11.687	91	244897	20.606	ug/l	99
68) m/p-Xylenes	11.793	106	200535	41.090	ug/l	95
69) o-Xylene	12.122	106	89238	19.863	ug/l	95
70) Styrene	12.134	104	153111	19.975	ug/l	98
71) Bromoform	12.299	173	28463	19.052	ug/l #	96
73) Isopropylbenzene	12.422	105	231100	21.279	ug/l	97
74) N-amyl acetate	12.234	43	34475	22.066	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	43628	22.107	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	33410m	16.906	ug/l	
77) Bromobenzene	12.704	156	59689	20.935	ug/l	97
78) n-propylbenzene	12.763	91	311120	23.787	ug/l	98
79) 2-Chlorotoluene	12.851	91	159498	22.388	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	198282	22.124	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	13432	21.920	ug/l	98
82) 4-Chlorotoluene	12.946	91	170666	23.010	ug/l	97
83) tert-Butylbenzene	13.169	119	166094	20.904	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	198634	22.013	ug/l	97
85) sec-Butylbenzene	13.346	105	257312	21.520	ug/l	97
86) p-Isopropyltoluene	13.463	119	215623	20.758	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	121991	20.331	ug/l	100
88) 1,4-Dichlorobenzene	13.540	146	119878	20.161	ug/l	98
89) n-Butylbenzene	13.787	91	195767	21.644	ug/l	97
90) Hexachloroethane	14.051	117	45727	21.778	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	104816	20.679	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5465	22.624	ug/l	93
93) 1,2,4-Trichlorobenzene	15.104	180	59467	18.830	ug/l	96
94) Hexachlorobutadiene	15.204	225	31921	17.797	ug/l	97
95) Naphthalene	15.334	128	97939	18.368	ug/l	98
96) 1,2,3-Trichlorobenzene	15.528	180	52910	19.302	ug/l	98

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

