

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077408.D
 Acq On : 25 Oct 2023 12:09
 Operator : JC/SY
 Sample : VD1025SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 26 06:57:29 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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	198712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	338671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	327127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	163618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	70837	39.922	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.840%		
35) Dibromofluoromethane	7.810	113	88115	37.034	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	74.060%		
50) Toluene-d8	10.269	98	318354	37.361	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	74.720%		
62) 4-Bromofluorobenzene	12.575	95	103569	42.224	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	37598	20.352	ug/l	99
3) Chloromethane	2.146	50	72527	19.279	ug/l	97
4) Vinyl Chloride	2.287	62	60978	13.722	ug/l	100
5) Bromomethane	2.693	94	47404	16.600	ug/l	98
6) Chloroethane	2.834	64	51534	16.496	ug/l	93
7) Trichlorofluoromethane	3.175	101	90082	19.983	ug/l	93
8) Diethyl Ether	3.593	74	30747	25.448	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.969	101	63525	27.238	ug/l	96
10) Methyl Iodide	4.158	142	62827	22.016	ug/l	95
11) Tert butyl alcohol	5.046	59	13125	131.493	ug/l #	94
12) 1,1-Dichloroethene	3.940	96	65550	28.650	ug/l	92
13) Acrolein	3.793	56	26632	153.702	ug/l	100
14) Allyl chloride	4.558	41	46665	21.496	ug/l	97
15) Acrylonitrile	5.252	53	42939	117.273	ug/l	98
16) Acetone	4.017	43	62463	160.532	ug/l	91
17) Carbon Disulfide	4.275	76	132691	19.729	ug/l	99
18) Methyl Acetate	4.558	43	29016	21.427	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	84360	21.647	ug/l	97
20) Methylene Chloride	4.805	84	70608	27.871	ug/l	97
21) trans-1,2-Dichloroethene	5.311	96	51750	21.747	ug/l	95
22) Diisopropyl ether	6.222	45	107210	25.158	ug/l	97
23) Vinyl Acetate	6.152	43	239876	120.115	ug/l	96
24) 1,1-Dichloroethane	6.105	63	83241	23.494	ug/l	94
25) 2-Butanone	7.081	43	47361	117.339	ug/l	98
26) 2,2-Dichloropropane	7.075	77	74240	22.980	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	56557	21.196	ug/l	99
28) Bromochloromethane	7.428	49	31075	24.010	ug/l	95
29) Tetrahydrofuran	7.452	42	26801	115.109	ug/l	98
30) Chloroform	7.599	83	91472	22.501	ug/l	100
31) Cyclohexane	7.881	56	59762	21.648	ug/l	97
32) 1,1,1-Trichloroethane	7.787	97	78344	22.339	ug/l	97
36) 1,1-Dichloropropene	8.005	75	65814	21.051	ug/l	96
37) Ethyl Acetate	7.169	43	21253	21.641	ug/l #	90
38) Carbon Tetrachloride	7.987	117	70841	20.369	ug/l	94
39) Methylcyclohexane	9.275	83	69976	18.421	ug/l	96
40) Benzene	8.252	78	201898	21.280	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	9163	19.551	ug/l #	78
42) 1,2-Dichloroethane	8.328	62	47730	21.358	ug/l	99
43) Isopropyl Acetate	8.363	43	38454	21.751	ug/l #	82
44) Trichloroethene	9.028	130	52840	19.049	ug/l	91
45) 1,2-Dichloropropane	9.310	63	49034	22.420	ug/l	94
46) Dibromomethane	9.393	93	28369	20.748	ug/l	95
47) Bromodichloromethane	9.587	83	70888	21.743	ug/l	95
48) Methyl methacrylate	9.381	41	15172	18.970	ug/l #	88
49) 1,4-Dioxane	9.387	88	5187	408.826	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	101634	114.681	ug/l	96
52) Toluene	10.334	92	128695	20.775	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	62292	21.285	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	75173	20.994	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	40976	21.637	ug/l	93
56) Ethyl methacrylate	10.599	69	37766	20.867	ug/l	99
57) 1,3-Dichloropropane	10.881	76	68061	23.397	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	95193	106.360	ug/l	100
59) 2-Hexanone	10.922	43	72523	113.939	ug/l	96
60) Dibromochloromethane	11.075	129	52325	21.639	ug/l	94
61) 1,2-Dibromoethane	11.181	107	39121	21.923	ug/l	97
64) Tetrachloroethene	10.810	164	50047	20.583	ug/l	95
65) Chlorobenzene	11.604	112	142743	20.019	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	52652	19.425	ug/l	99
67) Ethyl Benzene	11.687	91	237189	20.067	ug/l	97
68) m/p-Xylenes	11.793	106	192822	39.727	ug/l	95
69) o-Xylene	12.122	106	91664	20.515	ug/l	100
70) Styrene	12.134	104	160008	20.989	ug/l	99
71) Bromoform	12.293	173	29784	20.045	ug/l #	97
73) Isopropylbenzene	12.422	105	250717	23.166	ug/l	98
74) N-amyl acetate	12.234	43	34768	22.332	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	46179	23.481	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	29517m	15.300	ug/l	
77) Bromobenzene	12.704	156	59751	21.030	ug/l	100
78) n-propylbenzene	12.763	91	287829	22.083	ug/l	97
79) 2-Chlorotoluene	12.851	91	156956	22.109	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	193910	21.712	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	14635	23.967	ug/l	94
82) 4-Chlorotoluene	12.945	91	162989	22.052	ug/l	99
83) tert-Butylbenzene	13.169	119	157248	19.860	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	183100	20.363	ug/l	98
85) sec-Butylbenzene	13.345	105	242609	20.362	ug/l	96
86) p-Isopropyltoluene	13.463	119	194967	18.835	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	116519	19.487	ug/l	100
88) 1,4-Dichlorobenzene	13.540	146	116940	19.736	ug/l	98
89) n-Butylbenzene	13.787	91	176156	19.544	ug/l	99
90) Hexachloroethane	14.051	117	44274	21.160	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	104717	20.732	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5884	24.444	ug/l	94
93) 1,2,4-Trichlorobenzene	15.098	180	56992	18.109	ug/l	95
94) Hexachlorobutadiene	15.204	225	28725	16.072	ug/l	98
95) Naphthalene	15.334	128	96025	18.072	ug/l	97
96) 1,2,3-Trichlorobenzene	15.528	180	50830	18.608	ug/l	98

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

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