

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077406.D
 Acq On : 25 Oct 2023 10:34
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Oct 26 06:56:16 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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	222089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	370983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	351013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	204972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	86871	43.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.620%		
35) Dibromofluoromethane	7.805	113	107876	41.390	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.780%		
50) Toluene-d8	10.269	98	383238	41.058	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	82.120%		
62) 4-Bromofluorobenzene	12.575	95	117066	43.569	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	101581	49.198	ug/l	93
3) Chloromethane	2.152	50	180151	42.847	ug/l	99
4) Vinyl Chloride	2.287	62	238862	48.094	ug/l	100
5) Bromomethane	2.693	94	142412	44.620	ug/l	97
6) Chloroethane	2.840	64	168180	48.169	ug/l	99
7) Trichlorofluoromethane	3.181	101	258316	51.270	ug/l	99
8) Diethyl Ether	3.599	74	57593	42.650	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.975	101	116351	44.637	ug/l	98
10) Methyl Iodide	4.164	142	136084	42.667	ug/l	93
11) Tert butyl alcohol	5.052	59	27684	248.158	ug/l #	89
12) 1,1-Dichloroethene	3.946	96	113781	44.496	ug/l	94
13) Acrolein	3.799	56	45634	235.647	ug/l	99
14) Allyl chloride	4.564	41	116759	48.124	ug/l	95
15) Acrylonitrile	5.252	53	114882	280.734	ug/l	97
16) Acetone	4.017	43	106168	244.135	ug/l	95
17) Carbon Disulfide	4.275	76	327514	43.569	ug/l	99
18) Methyl Acetate	4.558	43	76034	50.237	ug/l	95
19) Methyl tert-butyl Ether	5.316	73	236769	54.362	ug/l	95
20) Methylene Chloride	4.805	84	144561	55.443	ug/l	99
21) trans-1,2-Dichloroethene	5.316	96	134118	50.428	ug/l	94
22) Diisopropyl ether	6.216	45	282765	59.370	ug/l	98
23) Vinyl Acetate	6.158	43	666476	298.601	ug/l	99
24) 1,1-Dichloroethane	6.111	63	209406	52.881	ug/l	97
25) 2-Butanone	7.081	43	125887	279.061	ug/l	97
26) 2,2-Dichloropropane	7.081	77	190023	52.628	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	152508	51.141	ug/l	99
28) Bromochloromethane	7.422	49	83632	57.816	ug/l	97
29) Tetrahydrofuran	7.440	42	73073	280.809	ug/l	98
30) Chloroform	7.599	83	233382	51.367	ug/l	97
31) Cyclohexane	7.881	56	158733	51.446	ug/l	98
32) 1,1,1-Trichloroethane	7.799	97	200924	51.260	ug/l	96
36) 1,1-Dichloropropene	8.005	75	175431	51.226	ug/l	100
37) Ethyl Acetate	7.169	43	53787	50.000	ug/l	100
38) Carbon Tetrachloride	7.993	117	188245	49.412	ug/l	98
39) Methylcyclohexane	9.275	83	196694	47.268	ug/l	96
40) Benzene	8.252	78	525869	50.600	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	28808	56.113	ug/l #	92
42) 1,2-Dichloroethane	8.322	62	120176	49.092	ug/l	100
43) Isopropyl Acetate	8.363	43	101719	52.524	ug/l	99
44) Trichloroethene	9.028	130	141436	46.548	ug/l	98
45) 1,2-Dichloropropane	9.305	63	121554	50.738	ug/l	99
46) Dibromomethane	9.393	93	72508	48.412	ug/l	95
47) Bromodichloromethane	9.587	83	174102	48.749	ug/l	100
48) Methyl methacrylate	9.381	41	46267	52.811	ug/l	97
49) 1,4-Dioxane	9.381	88	14101	959.955	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	268906	276.998	ug/l	95
52) Toluene	10.334	92	335877	49.498	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	160154	49.959	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	195123	49.747	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	98677	47.568	ug/l	97
56) Ethyl methacrylate	10.599	69	104175	52.547	ug/l	98
57) 1,3-Dichloropropane	10.881	76	158817	49.840	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	264116	269.396	ug/l	100
59) 2-Hexanone	10.922	43	192927	276.703	ug/l	97
60) Dibromochloromethane	11.075	129	121324	45.803	ug/l	97
61) 1,2-Dibromoethane	11.181	107	92582	47.363	ug/l	99
64) Tetrachloroethene	10.810	164	113994	43.693	ug/l	94
65) Chlorobenzene	11.610	112	358139	46.809	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	132640	45.606	ug/l	98
67) Ethyl Benzene	11.687	91	623035	49.124	ug/l	100
68) m/p-Xylenes	11.793	106	512458	98.396	ug/l	97
69) o-Xylene	12.122	106	231881	48.365	ug/l	97
70) Styrene	12.140	104	404859	49.494	ug/l	100
71) Bromoform	12.304	173	73703	46.228	ug/l #	99
73) Isopropylbenzene	12.422	105	616755	45.491	ug/l	96
74) N-amyl acetate	12.234	43	93403	47.889	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	109527	44.457	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	75549m	28.402	ug/l	
77) Bromobenzene	12.704	156	145871	40.982	ug/l	97
78) n-propylbenzene	12.763	91	742024	45.445	ug/l	97
79) 2-Chlorotoluene	12.851	91	394136	44.317	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	503863	45.036	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.475	75	35513	46.425	ug/l	97
82) 4-Chlorotoluene	12.951	91	414449	44.761	ug/l	99
83) tert-Butylbenzene	13.169	119	446592	45.023	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	522592	46.393	ug/l	97
85) sec-Butylbenzene	13.345	105	719215	48.184	ug/l	97
86) p-Isopropyltoluene	13.463	119	641503	49.471	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	357573	47.736	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	377513	50.858	ug/l	99
89) n-Butylbenzene	13.787	91	539047	47.740	ug/l	99
90) Hexachloroethane	14.051	117	116479	44.438	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	278923	44.080	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	14226	47.176	ug/l	90
93) 1,2,4-Trichlorobenzene	15.104	180	158507	40.205	ug/l	97
94) Hexachlorobutadiene	15.210	225	85220	38.061	ug/l	100
95) Naphthalene	15.334	128	278266	41.804	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	137481	40.176	ug/l	99

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

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