

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077424.D
 Acq On : 25 Oct 2023 19:45
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 26 08:55:45 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	256845	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	518452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	550963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	202749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	146717	63.971	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.940%			
35) Dibromofluoromethane	7.805	113	160492	44.063	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.120%			
50) Toluene-d8	10.269	98	737747	56.557	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.120%			
62) 4-Bromofluorobenzene	12.575	95	221083	58.878	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.760%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	94956	39.766	ug/l	98
3) Chloromethane	2.146	50	180059	37.030	ug/l	98
4) Vinyl Chloride	2.287	62	178962	31.157	ug/l	96
5) Bromomethane	2.693	94	109784	29.743	ug/l	98
6) Chloroethane	2.834	64	98363	24.360	ug/l	98
7) Trichlorofluoromethane	3.175	101	159502	27.374	ug/l	98
8) Diethyl Ether	3.593	74	57893	37.070	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	97106	32.213	ug/l	97
10) Methyl Iodide	4.164	142	122038	33.085	ug/l	# 88
11) Tert butyl alcohol	5.040	59	24879	192.836	ug/l	# 86
12) 1,1-Dichloroethene	3.940	96	103976	35.159	ug/l	96
13) Acrolein	3.793	56	59094	263.860	ug/l	97
14) Allyl chloride	4.564	41	119864	42.718	ug/l	94
15) Acrylonitrile	5.258	53	128622	271.777	ug/l	97
16) Acetone	4.017	43	87755	174.487	ug/l	97
17) Carbon Disulfide	4.269	76	307228	35.340	ug/l	97
18) Methyl Acetate	4.564	43	76529	43.722	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	244072	48.455	ug/l	97
20) Methylene Chloride	4.799	84	217763	73.813	ug/l	94
21) trans-1,2-Dichloroethene	5.311	96	128660	41.829	ug/l	97
22) Diisopropyl ether	6.216	45	337286	61.234	ug/l	98
23) Vinyl Acetate	6.158	43	775029	300.248	ug/l	97
24) 1,1-Dichloroethane	6.116	63	216210	47.211	ug/l	96
25) 2-Butanone	7.081	43	161276	309.132	ug/l	# 86
26) 2,2-Dichloropropane	7.075	77	197673	47.338	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	171740	49.797	ug/l	99
28) Bromochloromethane	7.428	49	105688	63.176	ug/l	82
29) Tetrahydrofuran	7.446	42	107331	356.645	ug/l	93
30) Chloroform	7.593	83	265077	50.448	ug/l	98
31) Cyclohexane	7.875	56	211513	59.275	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	216393	47.736	ug/l	95
36) 1,1-Dichloropropene	8.005	75	201205	42.041	ug/l	98
37) Ethyl Acetate	7.169	43	71162	47.335	ug/l	99
38) Carbon Tetrachloride	7.993	117	188192	35.347	ug/l	96
39) Methylcyclohexane	9.275	83	246363	42.364	ug/l	94
40) Benzene	8.252	78	664650	45.762	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	46889	65.353	ug/l	93
42) 1,2-Dichloroethane	8.328	62	143178	41.852	ug/l	99
43) Isopropyl Acetate	8.357	43	146530	54.141	ug/l	96
44) Trichloroethene	9.028	130	150756	35.502	ug/l	92
45) 1,2-Dichloropropane	9.304	63	167380	49.994	ug/l	94
46) Dibromomethane	9.393	93	87427	41.769	ug/l #	86
47) Bromodichloromethane	9.587	83	209321	41.940	ug/l	98
48) Methyl methacrylate	9.381	41	70081	57.239	ug/l	90
49) 1,4-Dioxane	9.387	88	16462	807.988	ug/l #	86
51) 4-Methyl-2-Pentanone	10.157	43	412357	303.944	ug/l	96
52) Toluene	10.334	92	436328	46.012	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	217237	48.490	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	262271	47.847	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	135734	46.820	ug/l	96
56) Ethyl methacrylate	10.599	69	161722	58.371	ug/l	99
57) 1,3-Dichloropropane	10.881	76	227847	51.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	394347	287.820	ug/l	94
59) 2-Hexanone	10.922	43	304833	312.844	ug/l	96
60) Dibromochloromethane	11.075	129	150243	40.587	ug/l	94
61) 1,2-Dibromoethane	11.181	107	119383	43.702	ug/l	97
64) Tetrachloroethene	10.810	164	127828	31.215	ug/l	90
65) Chlorobenzene	11.604	112	472210	39.320	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	170191	37.281	ug/l	97
67) Ethyl Benzene	11.681	91	835185	41.953	ug/l	98
68) m/p-Xylenes	11.793	106	655535	80.189	ug/l	91
69) o-Xylene	12.122	106	306099	40.675	ug/l	93
70) Styrene	12.134	104	535276	41.690	ug/l	98
71) Bromoform	12.298	173	93856	37.505	ug/l #	98
73) Isopropylbenzene	12.422	105	785137	58.545	ug/l	96
74) N-amyl acetate	12.234	43	144031	74.656	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	149660	61.413	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	97742m	36.304	ug/l	
77) Bromobenzene	12.704	156	186509	52.974	ug/l	93
78) n-propylbenzene	12.763	91	932964	57.766	ug/l	97
79) 2-Chlorotoluene	12.851	91	503671	57.255	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	632749	57.176	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	48667	64.318	ug/l	97
82) 4-Chlorotoluene	12.945	91	531095	57.988	ug/l	96
83) tert-Butylbenzene	13.169	119	500070	50.967	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	550738	49.428	ug/l	98
85) sec-Butylbenzene	13.345	105	631829	42.794	ug/l	97
86) p-Isopropyltoluene	13.457	119	521318	40.643	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	293030	39.548	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	287204	39.116	ug/l	99
89) n-Butylbenzene	13.787	91	472183	42.277	ug/l	98
90) Hexachloroethane	14.051	117	102275	39.447	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	249923	39.930	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13779	46.195	ug/l	87
93) 1,2,4-Trichlorobenzene	15.104	180	152410	39.082	ug/l	98
94) Hexachlorobutadiene	15.204	225	81211	36.668	ug/l	98
95) Naphthalene	15.334	128	278979	42.370	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	132538	39.156	ug/l	99

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

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