

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102323\
 Data File : VD077379.D
 Acq On : 23 Oct 2023 14:03
 Operator : JC/SY
 Sample : VD1023SBSD01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2023
 Supervised By : Semsettin Yesilyurt 10/24/2023

Quant Time: Oct 23 23:39:27 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	189458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	326366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	301499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	154552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77102	45.575	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.160%		
35) Dibromofluoromethane	7.805	113	89689	39.117	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	78.240%		
50) Toluene-d8	10.269	98	331586	40.381	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	80.760%		
62) 4-Bromofluorobenzene	12.575	95	94235	39.867	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	43580	24.742	ug/l	97
3) Chloromethane	2.152	50	76344	21.285	ug/l	100
4) Vinyl Chloride	2.287	62	103904	24.524	ug/l	96
5) Bromomethane	2.693	94	51211	18.809	ug/l	100
6) Chloroethane	2.840	64	60519	20.319	ug/l	97
7) Trichlorofluoromethane	3.181	101	100287	23.333	ug/l	100
8) Diethyl Ether	3.599	74	34756	30.171	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.969	101	68033	30.595	ug/l	94
10) Methyl Iodide	4.164	142	68940	25.338	ug/l	92
11) Tert butyl alcohol	5.058	59	25367	266.553	ug/l #	93
12) 1,1-Dichloroethene	3.946	96	66276	30.382	ug/l	98
13) Acrolein	3.799	56	28274	171.149	ug/l	99
14) Allyl chloride	4.563	41	84060	40.614	ug/l	90
15) Acrylonitrile	5.252	53	73997	211.968	ug/l	98
16) Acetone	4.022	43	68513	184.681	ug/l	99
17) Carbon Disulfide	4.269	76	224276	34.974	ug/l	97
18) Methyl Acetate	4.563	43	53929	41.769	ug/l	97
19) Methyl tert-butyl Ether	5.311	73	132245	35.593	ug/l	98
20) Methylene Chloride	4.799	84	94822	41.412	ug/l	93
21) trans-1,2-Dichloroethene	5.311	96	76695	33.804	ug/l	96
22) Diisopropyl ether	6.210	45	104495	25.719	ug/l	97
23) Vinyl Acetate	6.158	43	246119	129.260	ug/l	97
24) 1,1-Dichloroethane	6.110	63	81864	24.234	ug/l	98
25) 2-Butanone	7.075	43	50544	131.341	ug/l	92
26) 2,2-Dichloropropane	7.075	77	75654	24.562	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	55729	21.906	ug/l	96
28) Bromochloromethane	7.428	49	31357	25.411	ug/l	92
29) Tetrahydrofuran	7.446	42	27651	124.560	ug/l	99
30) Chloroform	7.593	83	90907	23.455	ug/l	98
31) Cyclohexane	7.881	56	61111	23.217	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	78016	23.332	ug/l	98
36) 1,1-Dichloropropene	8.004	75	66404	22.041	ug/l	98
37) Ethyl Acetate	7.169	43	19510	20.616	ug/l	99
38) Carbon Tetrachloride	7.993	117	71046	21.198	ug/l	96
39) Methylcyclohexane	9.275	83	73977	20.208	ug/l	97
40) Benzene	8.252	78	197369	21.587	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	9968	22.070	ug/l	# 76
42) 1,2-Dichloroethane	8.328	62	48612	22.573	ug/l	97
43) Isopropyl Acetate	8.357	43	39822	23.374	ug/l	97
44) Trichloroethene	9.028	130	53681	20.082	ug/l	90
45) 1,2-Dichloropropane	9.304	63	49631	23.549	ug/l	97
46) Dibromomethane	9.393	93	27965	21.224	ug/l	96
47) Bromodichloromethane	9.587	83	69093	21.991	ug/l	99
48) Methyl methacrylate	9.381	41	18397	23.870	ug/l	88
49) 1,4-Dioxane	9.387	88	4901	401.568	ug/l	# 68
51) 4-Methyl-2-Pentanone	10.157	43	105496	123.527	ug/l	95
52) Toluene	10.334	92	129990	21.776	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	61379	21.764	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	76338	22.123	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	39716	21.763	ug/l	93
56) Ethyl methacrylate	10.598	69	37319	21.398	ug/l	96
57) 1,3-Dichloropropane	10.881	76	62690	22.363	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	101457	117.633	ug/l	98
59) 2-Hexanone	10.922	43	76030	123.952	ug/l	95
60) Dibromochloromethane	11.075	129	47340	20.315	ug/l	96
61) 1,2-Dibromoethane	11.181	107	38892	22.616	ug/l	96
64) Tetrachloroethene	10.810	164	46459	20.732	ug/l	97
65) Chlorobenzene	11.610	112	135591	20.632	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	50997	20.414	ug/l	98
67) Ethyl Benzene	11.687	91	226151	20.759	ug/l	97
68) m/p-Xylenes	11.793	106	187128	41.831	ug/l	96
69) o-Xylene	12.122	106	83392	20.250	ug/l	97
70) Styrene	12.134	104	148380	21.118	ug/l	100
71) Bromoform	12.298	173	27577	20.138	ug/l	# 98
73) Isopropylbenzene	12.422	105	211407	20.680	ug/l	98
74) N-amyl acetate	12.234	43	36992	25.154	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	46397	24.976	ug/l	95
76) 1,2,3-Trichloropropane	12.728	75	29710m	16.123	ug/l	
77) Bromobenzene	12.698	156	52522	19.570	ug/l	89
78) n-propylbenzene	12.763	91	275621	22.387	ug/l	98
79) 2-Chlorotoluene	12.851	91	147795	22.040	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	182364	21.617	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	15091	26.164	ug/l	89
82) 4-Chlorotoluene	12.951	91	160088	22.930	ug/l	97
83) tert-Butylbenzene	13.169	119	154829	20.701	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	184459	21.718	ug/l	97
85) sec-Butylbenzene	13.345	105	249987	22.212	ug/l	94
86) p-Isopropyltoluene	13.463	119	203177	20.780	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	117470	20.798	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	113021	20.193	ug/l	96
89) n-Butylbenzene	13.787	91	186877	21.950	ug/l	97
90) Hexachloroethane	14.057	117	42249	21.377	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	99869	20.932	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6028	26.511	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	55680	18.730	ug/l	95
94) Hexachlorobutadiene	15.210	225	32373	19.175	ug/l	96
95) Naphthalene	15.334	128	99840	19.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	48583	18.829	ug/l	99

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

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