

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077895.D
 Acq On : 15 Dec 2023 11:04
 Operator : RP/MD
 Sample : VD1215SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1215SBS01

Quant Time: Dec 16 03:57:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	120644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	200794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	190011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	98545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	71138	50.040	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.080%			
35) Dibromofluoromethane	7.810	113	73932	52.565	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.120%			
50) Toluene-d8	10.275	98	299712	53.205	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.400%			
62) 4-Bromofluorobenzene	12.575	95	87960	52.227	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	31672	21.016	ug/l	91
3) Chloromethane	2.152	50	46571	22.671	ug/l	96
4) Vinyl Chloride	2.293	62	63017	22.597	ug/l	99
5) Bromomethane	2.693	94	39398	25.178	ug/l	98
6) Chloroethane	2.840	64	43158	22.700	ug/l	98
7) Trichlorofluoromethane	3.187	101	56424	21.969	ug/l	98
8) Diethyl Ether	3.599	74	15866	21.999	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.975	101	32593	22.182	ug/l	97
10) Methyl Iodide	4.169	142	25549	23.906	ug/l #	88
11) Tert butyl alcohol	5.057	59	7746	106.686	ug/l #	87
12) 1,1-Dichloroethene	3.946	96	30959	21.348	ug/l	86
13) Acrolein	3.804	56	15327	101.921	ug/l	98
14) Allyl chloride	4.569	41	40705	20.409	ug/l	87
15) Acrylonitrile	5.257	53	33749	109.295	ug/l	94
16) Acetone	4.022	43	47489	140.783	ug/l #	82
17) Carbon Disulfide	4.281	76	97725	19.919	ug/l	97
18) Methyl Acetate	4.569	43	23197	20.719	ug/l	90
19) Methyl tert-butyl Ether	5.322	73	65508	21.291	ug/l	100
20) Methylene Chloride	4.810	84	40484	21.262	ug/l #	84
21) trans-1,2-Dichloroethene	5.322	96	34901	21.248	ug/l	93
22) Diisopropyl ether	6.228	45	88177	21.156	ug/l #	94
23) Vinyl Acetate	6.163	43	212816	104.558	ug/l	95
24) 1,1-Dichloroethane	6.116	63	60399	21.399	ug/l	96
25) 2-Butanone	7.081	43	49257	118.126	ug/l #	78
26) 2,2-Dichloropropane	7.075	77	50548	21.330	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	38837	21.974	ug/l	88
28) Bromochloromethane	7.434	49	22873	20.055	ug/l #	77
29) Tetrahydrofuran	7.451	42	24520	108.314	ug/l	88
30) Chloroform	7.598	83	61909	21.916	ug/l	93
31) Cyclohexane	7.887	56	52845	20.899	ug/l	96
32) 1,1,1-Trichloroethane	7.798	97	53787	21.599	ug/l	98
36) 1,1-Dichloropropene	8.016	75	48000	21.336	ug/l	95
37) Ethyl Acetate	7.169	43	17785	20.274	ug/l	97
38) Carbon Tetrachloride	7.992	117	49387	22.020	ug/l	97
39) Methylcyclohexane	9.281	83	56539	21.199	ug/l	94
40) Benzene	8.251	78	140106	21.942	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	9885	22.170	ug/l #	86
42) 1,2-Dichloroethane	8.328	62	37179	22.463	ug/l	93
43) Isopropyl Acetate	8.363	43	33593	21.542	ug/l #	75
44) Trichloroethene	9.028	130	36575	21.980	ug/l	96
45) 1,2-Dichloropropane	9.304	63	34293	22.092	ug/l	96
46) Dibromomethane	9.398	93	18351	22.343	ug/l	92
47) Bromodichloromethane	9.586	83	46741	22.453	ug/l	98
48) Methyl methacrylate	9.381	41	19333	21.810	ug/l #	81
49) 1,4-Dioxane	9.398	88	3769	462.148	ug/l #	82
51) 4-Methyl-2-Pentanone	10.157	43	84653	106.368	ug/l	92
52) Toluene	10.333	92	86847	21.926	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	45151	22.586	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	53110	21.974	ug/l #	90
55) 1,1,2-Trichloroethane	10.733	97	25582	22.771	ug/l	95
56) Ethyl methacrylate	10.598	69	21144	21.350	ug/l #	83
57) 1,3-Dichloropropane	10.881	76	43253	22.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	63871	113.093	ug/l	92
59) 2-Hexanone	10.922	43	76405	115.717	ug/l	87
60) Dibromochloromethane	11.075	129	30570	22.601	ug/l	98
61) 1,2-Dibromoethane	11.180	107	23007	21.756	ug/l	99
64) Tetrachloroethene	10.810	164	27079	19.390	ug/l	94
65) Chlorobenzene	11.610	112	92308	19.474	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.680	131	33934	21.476	ug/l	96
67) Ethyl Benzene	11.686	91	165861	20.967	ug/l	98
68) m/p-Xylenes	11.792	106	127540	42.149	ug/l	92
69) o-Xylene	12.122	106	58888	21.116	ug/l	94
70) Styrene	12.139	104	88782	21.410	ug/l	94
71) Bromoform	12.298	173	17664	21.395	ug/l #	97
73) Isopropylbenzene	12.422	105	154266	20.655	ug/l	97
74) N-amyl acetate	12.233	43	29060	19.794	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	28272	21.710	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	15415m	18.011	ug/l	
77) Bromobenzene	12.704	156	37162	21.154	ug/l	91
78) n-propylbenzene	12.763	91	195081	21.435	ug/l	95
79) 2-Chlorotoluene	12.851	91	101889	20.890	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	128179	20.577	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	9129	21.611	ug/l	97
82) 4-Chlorotoluene	12.945	91	108977	21.373	ug/l	97
83) tert-Butylbenzene	13.169	119	111340	21.172	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	129303	20.753	ug/l	98
85) sec-Butylbenzene	13.345	105	164671	21.183	ug/l	95
86) p-Isopropyltoluene	13.463	119	143350	20.597	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	75250	20.946	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	76122	20.274	ug/l	98
89) n-Butylbenzene	13.786	91	140147	21.400	ug/l	98
90) Hexachloroethane	14.057	117	28093	21.948	ug/l	95
91) 1,2-Dichlorobenzene	13.833	146	63903	20.915	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3805	19.573	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	41053	19.671	ug/l	95
94) Hexachlorobutadiene	15.210	225	22713	20.182	ug/l	96
95) Naphthalene	15.333	128	70173	20.237	ug/l	99
96) 1,2,3-Trichlorobenzene	15.527	180	33305	19.357	ug/l	96

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

