

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078102.D
 Acq On : 29 Dec 2023 12:12
 Operator : RP/MD
 Sample : VD1229SBS02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1229SBS02

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/01/2024
 Supervised By : Mahesh Dadoda 01/01/2024

Quant Time: Dec 29 22:33:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	166267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	267962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	240216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	122652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	70315	47.529	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.060%		
35) Dibromofluoromethane	7.810	113	81171	47.079	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.160%		
50) Toluene-d8	10.269	98	297967	49.115	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.220%		
62) 4-Bromofluorobenzene	12.575	95	92819	47.550	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	26518	18.609	ug/l	94
3) Chloromethane	2.152	50	33704	17.151	ug/l	99
4) Vinyl Chloride	2.287	62	50874	17.175	ug/l	98
5) Bromomethane	2.693	94	38999	16.421	ug/l	97
6) Chloroethane	2.840	64	38741	17.798	ug/l	99
7) Trichlorofluoromethane	3.175	101	53664	18.822	ug/l	96
8) Diethyl Ether	3.599	74	14042	17.961	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.975	101	32161	18.111	ug/l	97
10) Methyl Iodide	4.169	142	28124	16.854	ug/l	93
11) Tert butyl alcohol	5.046	59	8838	122.854	ug/l	97
12) 1,1-Dichloroethene	3.940	96	27311	17.382	ug/l	99
13) Acrolein	3.799	56	7525	96.577	ug/l	96
14) Allyl chloride	4.563	41	33227	17.495	ug/l	89
15) Acrylonitrile	5.252	53	30965	94.684	ug/l	99
16) Acetone	4.022	43	41863	124.808	ug/l #	76
17) Carbon Disulfide	4.275	76	61022	15.718	ug/l #	93
18) Methyl Acetate	4.563	43	20776	17.135	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	64312	18.493	ug/l	94
20) Methylene Chloride	4.799	84	43144	22.017	ug/l	92
21) trans-1,2-Dichloroethene	5.316	96	32242	17.851	ug/l	97
22) Diisopropyl ether	6.222	45	74990	17.677	ug/l	98
23) Vinyl Acetate	6.157	43	152516m	94.041	ug/l	
24) 1,1-Dichloroethane	6.110	63	56526	18.006	ug/l	97
25) 2-Butanone	7.081	43	45151	108.152	ug/l	92
26) 2,2-Dichloropropane	7.081	77	50104	17.764	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	38705	18.063	ug/l	98
28) Bromochloromethane	7.428	49	20517	18.267	ug/l	92
29) Tetrahydrofuran	7.446	42	20080	87.680	ug/l	98
30) Chloroform	7.593	83	62183	18.278	ug/l	92
31) Cyclohexane	7.875	56	39889	16.902	ug/l #	91
32) 1,1,1-Trichloroethane	7.793	97	53819	18.407	ug/l	99
36) 1,1-Dichloropropene	8.010	75	43212	17.813	ug/l	97
37) Ethyl Acetate	7.169	43	14241	17.650	ug/l	99
38) Carbon Tetrachloride	7.987	117	47809	18.187	ug/l	96
39) Methylcyclohexane	9.275	83	47164	16.958	ug/l	98
40) Benzene	8.251	78	126243	18.055	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	9570	18.748	ug/l #	84
42) 1,2-Dichloroethane	8.328	62	34561	18.290	ug/l	97
43) Isopropyl Acetate	8.363	43	28838	17.853	ug/l	97
44) Trichloroethene	9.028	130	35215	17.506	ug/l	84
45) 1,2-Dichloropropane	9.304	63	31636	17.856	ug/l	95
46) Dibromomethane	9.398	93	18535	18.678	ug/l	97
47) Bromodichloromethane	9.587	83	47733	18.518	ug/l	95
48) Methyl methacrylate	9.381	41	16964	18.634	ug/l #	79
49) 1,4-Dioxane	9.387	88	3981	424.373	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	78067	94.186	ug/l	91
52) Toluene	10.334	92	81821	18.042	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	41921	17.925	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	51368	18.290	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	26682	19.107	ug/l	95
56) Ethyl methacrylate	10.598	69	20157	18.189	ug/l	90
57) 1,3-Dichloropropane	10.881	76	42802	18.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	46301	96.502	ug/l	99
59) 2-Hexanone	10.922	43	65364	101.523	ug/l	94
60) Dibromochloromethane	11.075	129	34291	19.276	ug/l	98
61) 1,2-Dibromoethane	11.181	107	26624	19.886	ug/l	91
64) Tetrachloroethene	10.816	164	28858	17.779	ug/l	94
65) Chlorobenzene	11.604	112	93997	18.419	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	34734	17.982	ug/l	97
67) Ethyl Benzene	11.687	91	155523	17.481	ug/l	100
68) m/p-Xylenes	11.792	106	122195	35.291	ug/l	93
69) o-Xylene	12.122	106	56618	17.544	ug/l	97
70) Styrene	12.134	104	86204	18.092	ug/l	96
71) Bromoform	12.298	173	19567	18.362	ug/l #	96
73) Isopropylbenzene	12.422	105	155202	18.372	ug/l	95
74) N-amyl acetate	12.234	43	26802	19.112	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	30393	19.796	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	20335m	19.652	ug/l	
77) Bromobenzene	12.698	156	40400	19.658	ug/l	99
78) n-propylbenzene	12.763	91	187290	18.419	ug/l	98
79) 2-Chlorotoluene	12.851	91	98192	17.853	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	125927	18.022	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	9287	19.339	ug/l	96
82) 4-Chlorotoluene	12.951	91	108196	18.348	ug/l	97
83) tert-Butylbenzene	13.169	119	112668	18.001	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	128845	18.104	ug/l	100
85) sec-Butylbenzene	13.345	105	164176	18.372	ug/l	99
86) p-Isopropyltoluene	13.463	119	145565	18.202	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	77637	18.259	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	77926	18.686	ug/l	95
89) n-Butylbenzene	13.786	91	134807	18.365	ug/l	99
90) Hexachloroethane	14.051	117	30191	18.884	ug/l	98
91) 1,2-Dichlorobenzene	13.833	146	66442	18.195	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4530	21.066	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	44597	18.706	ug/l	96
94) Hexachlorobutadiene	15.204	225	25848	19.297	ug/l	99
95) Naphthalene	15.333	128	75571	18.619	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	38975	19.267	ug/l	99

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

