

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
 Data File : VD078088.D
 Acq On : 28 Dec 2023 13:10
 Operator : RP/MD
 Sample : VD1228SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 28 22:23:42 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	7.881	168	153563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	255996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	229859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	117913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	63248	46.289	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.580%		
35) Dibromofluoromethane	7.805	113	72491	44.010	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.020%		
50) Toluene-d8	10.269	98	264248	45.593	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.180%		
62) 4-Bromofluorobenzene	12.575	95	83236	44.634	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	24143	18.344	ug/l	85
3) Chloromethane	2.152	50	33947	18.703	ug/l	99
4) Vinyl Chloride	2.287	62	48621	17.772	ug/l	96
5) Bromomethane	2.693	94	36999	16.867	ug/l	100
6) Chloroethane	2.834	64	37496	18.651	ug/l	95
7) Trichlorofluoromethane	3.175	101	47955	18.211	ug/l	95
8) Diethyl Ether	3.599	74	13338	18.472	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.969	101	29349	17.895	ug/l	91
10) Methyl Iodide	4.158	142	24562	15.937	ug/l #	89
11) Tert butyl alcohol	5.064	59	6871	97.867	ug/l #	81
12) 1,1-Dichloroethene	3.934	96	26533	18.284	ug/l	96
13) Acrolein	3.799	56	7586	105.415	ug/l	94
14) Allyl chloride	4.564	41	30946	17.642	ug/l	93
15) Acrylonitrile	5.252	53	28317	93.750	ug/l	97
16) Acetone	4.022	43	34751	108.955	ug/l	95
17) Carbon Disulfide	4.269	76	58646	16.355	ug/l	99
18) Methyl Acetate	4.569	43	18866	16.847	ug/l	92
19) Methyl tert-butyl Ether	5.316	73	58663	18.264	ug/l	99
20) Methylene Chloride	4.805	84	42506	23.713	ug/l #	88
21) trans-1,2-Dichloroethene	5.316	96	28860	17.300	ug/l	98
22) Diisopropyl ether	6.216	45	70110	17.894	ug/l	94
23) Vinyl Acetate	6.152	43	133799m	89.325	ug/l	
24) 1,1-Dichloroethane	6.116	63	51308	17.696	ug/l	97
25) 2-Butanone	7.081	43	38076	97.604	ug/l #	82
26) 2,2-Dichloropropane	7.081	77	46085	17.691	ug/l	100
27) cis-1,2-Dichloroethene	7.087	96	36150	18.266	ug/l	97
28) Bromochloromethane	7.422	49	18551	17.883	ug/l	96
29) Tetrahydrofuran	7.446	42	18276	86.405	ug/l	95
30) Chloroform	7.593	83	59071	18.799	ug/l	93
31) Cyclohexane	7.875	56	37851	17.365	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	49972	18.505	ug/l	99
36) 1,1-Dichloropropene	8.010	75	38818	16.749	ug/l	99
37) Ethyl Acetate	7.175	43	12471	16.179	ug/l #	97
38) Carbon Tetrachloride	7.999	117	44105	17.562	ug/l	98
39) Methylcyclohexane	9.275	83	41524	15.628	ug/l	95
40) Benzene	8.252	78	118057	17.674	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	8811	18.068	ug/l	90
42) 1,2-Dichloroethane	8.328	62	33942	18.802	ug/l	97
43) Isopropyl Acetate	8.357	43	27371	17.736	ug/l #	82
44) Trichloroethene	9.028	130	33096	17.222	ug/l	91
45) 1,2-Dichloropropane	9.304	63	30560	18.055	ug/l	98
46) Dibromomethane	9.399	93	18201	19.199	ug/l	93
47) Bromodichloromethane	9.581	83	45294	18.393	ug/l	95
48) Methyl methacrylate	9.375	41	15206m	17.484	ug/l	
49) 1,4-Dioxane	9.393	88	3494	389.869	ug/l #	79
51) 4-Methyl-2-Pentanone	10.157	43	71089	89.776	ug/l	92
52) Toluene	10.334	92	76448	17.645	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	40488	18.121	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	47220	17.599	ug/l #	91
55) 1,1,2-Trichloroethane	10.728	97	24173	18.120	ug/l	97
56) Ethyl methacrylate	10.599	69	19374	18.300	ug/l #	92
57) 1,3-Dichloropropane	10.881	76	38957	17.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	42150	91.957	ug/l	99
59) 2-Hexanone	10.922	43	55079	89.548	ug/l	94
60) Dibromochloromethane	11.075	129	31411	18.482	ug/l	99
61) 1,2-Dibromoethane	11.181	107	22526	17.612	ug/l	98
64) Tetrachloroethene	10.810	164	27793	17.894	ug/l	93
65) Chlorobenzene	11.610	112	88413	18.105	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.681	131	33898	18.340	ug/l	96
67) Ethyl Benzene	11.681	91	144613	16.987	ug/l	96
68) m/p-Xylenes	11.793	106	112667	34.005	ug/l	92
69) o-Xylene	12.122	106	53095	17.194	ug/l	92
70) Styrene	12.134	104	81973	17.979	ug/l	96
71) Bromoform	12.298	173	19383	19.009	ug/l #	97
73) Isopropylbenzene	12.422	105	143165	17.628	ug/l	99
74) N-amyl acetate	12.234	43	24382	18.085	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	27719	18.780	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	21063m	21.173	ug/l	
77) Bromobenzene	12.698	156	36394	18.421	ug/l	94
78) n-propylbenzene	12.763	91	173479	17.746	ug/l	99
79) 2-Chlorotoluene	12.845	91	95209	18.006	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	118485	17.639	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	7714	16.709	ug/l	86
82) 4-Chlorotoluene	12.945	91	101566	17.916	ug/l	98
83) tert-Butylbenzene	13.163	119	108903	18.099	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	120189	17.566	ug/l	97
85) sec-Butylbenzene	13.345	105	152908	17.799	ug/l	99
86) p-Isopropyltoluene	13.457	119	136968	17.816	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	73119	17.887	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	75128	18.739	ug/l	96
89) n-Butylbenzene	13.787	91	126798	17.968	ug/l	98
90) Hexachloroethane	14.051	117	27779	18.074	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	65025	18.523	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3952	19.117	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	41807	18.241	ug/l	96
94) Hexachlorobutadiene	15.198	225	24037	18.666	ug/l	99
95) Naphthalene	15.328	128	69413	17.790	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	37037	19.045	ug/l	97

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

