

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078100.D
 Acq On : 29 Dec 2023 10:56
 Operator : RP/MD
 Sample : VD1229SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1229SBS01

Quant Time: Dec 29 22:31:54 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	143129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	229455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	213152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	114439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	73793	57.944	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.880%			
35) Dibromofluoromethane	7.804	113	82202	55.678	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.360%			
50) Toluene-d8	10.269	98	294775	56.743	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.480%			
62) 4-Bromofluorobenzene	12.575	95	95211	56.961	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	27412	22.347	ug/l	98
3) Chloromethane	2.152	50	34245	20.243	ug/l	99
4) Vinyl Chloride	2.287	62	52805	20.709	ug/l	97
5) Bromomethane	2.693	94	35580	17.403	ug/l	98
6) Chloroethane	2.840	64	40275	21.494	ug/l	97
7) Trichlorofluoromethane	3.181	101	54082	22.036	ug/l	94
8) Diethyl Ether	3.599	74	15271	22.691	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.969	101	31887	20.859	ug/l	95
10) Methyl Iodide	4.169	142	26293	18.304	ug/l	92
11) Tert butyl alcohol	5.052	59	8695m	144.874	ug/l	
12) 1,1-Dichloroethene	3.946	96	28837	21.320	ug/l	89
13) Acrolein	3.799	56	7162	106.778	ug/l	90
14) Allyl chloride	4.557	41	33470	20.472	ug/l	90
15) Acrylonitrile	5.263	53	32890	116.828	ug/l	98
16) Acetone	4.022	43	44546	161.790	ug/l #	84
17) Carbon Disulfide	4.275	76	61182	18.307	ug/l #	94
18) Methyl Acetate	4.569	43	22811	21.855	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	69174	23.107	ug/l	94
20) Methylene Chloride	4.799	84	40001	23.975	ug/l	95
21) trans-1,2-Dichloroethene	5.316	96	32911	21.167	ug/l	86
22) Diisopropyl ether	6.216	45	82277	22.531	ug/l #	90
23) Vinyl Acetate	6.157	43	167516m	119.988	ug/l	
24) 1,1-Dichloroethane	6.104	63	59046	21.849	ug/l	97
25) 2-Butanone	7.087	43	48042	136.794	ug/l	88
26) 2,2-Dichloropropane	7.075	77	52069	21.446	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	38704	20.982	ug/l	91
28) Bromochloromethane	7.428	49	18691	19.332	ug/l	92
29) Tetrahydrofuran	7.446	42	21361	108.352	ug/l	99
30) Chloroform	7.598	83	66385	22.667	ug/l	95
31) Cyclohexane	7.875	56	41503	20.429	ug/l	96
32) 1,1,1-Trichloroethane	7.798	97	56017	22.256	ug/l	99
36) 1,1-Dichloropropene	8.004	75	43668	21.021	ug/l	98
37) Ethyl Acetate	7.163	43	17048	24.675	ug/l	94
38) Carbon Tetrachloride	7.993	117	50700	22.523	ug/l	95
39) Methylcyclohexane	9.275	83	47487	19.939	ug/l	98
40) Benzene	8.251	78	132045	22.054	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	7755	17.742	ug/l #	71
42) 1,2-Dichloroethane	8.328	62	36399	22.496	ug/l	97
43) Isopropyl Acetate	8.363	43	32198	23.278	ug/l	96
44) Trichloroethene	9.028	130	38235	22.197	ug/l	100
45) 1,2-Dichloropropane	9.304	63	33975	22.394	ug/l	97
46) Dibromomethane	9.398	93	19526	22.979	ug/l	98
47) Bromodichloromethane	9.587	83	51200	23.196	ug/l #	90
48) Methyl methacrylate	9.381	41	16786	21.533	ug/l #	88
49) 1,4-Dioxane	9.387	88	4111	511.775	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	84398	118.912	ug/l	92
52) Toluene	10.334	92	86531	22.283	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	46324	23.132	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	52999	22.038	ug/l #	93
55) 1,1,2-Trichloroethane	10.734	97	29335	24.532	ug/l	86
56) Ethyl methacrylate	10.598	69	21493	22.649	ug/l #	87
57) 1,3-Dichloropropane	10.881	76	44860	22.834	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.875	63	43353	105.521	ug/l	98
59) 2-Hexanone	10.922	43	71289	129.308	ug/l	89
60) Dibromochloromethane	11.075	129	36263	23.805	ug/l	96
61) 1,2-Dibromoethane	11.187	107	26633	23.232	ug/l	96
64) Tetrachloroethene	10.810	164	30903	21.456	ug/l	96
65) Chlorobenzene	11.610	112	100610	22.218	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.687	131	39395	22.985	ug/l	92
67) Ethyl Benzene	11.687	91	165497	20.963	ug/l	99
68) m/p-Xylenes	11.792	106	128474	41.815	ug/l	92
69) o-Xylene	12.122	106	60842	21.247	ug/l	97
70) Styrene	12.139	104	92569	21.895	ug/l	95
71) Bromoform	12.298	173	22080	23.351	ug/l #	100
73) Isopropylbenzene	12.422	105	160295	20.337	ug/l	98
74) N-amyl acetate	12.234	43	28778	21.993	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	32574	22.739	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	21832m	22.613	ug/l	
77) Bromobenzene	12.704	156	41626	21.709	ug/l	96
78) n-propylbenzene	12.763	91	198253	20.896	ug/l	98
79) 2-Chlorotoluene	12.851	91	107820	21.010	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	138668	21.270	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	9181	20.490	ug/l	88
82) 4-Chlorotoluene	12.945	91	111759	20.313	ug/l	99
83) tert-Butylbenzene	13.169	119	121212	20.756	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	137144	20.653	ug/l	98
85) sec-Butylbenzene	13.345	105	172352	20.671	ug/l	97
86) p-Isopropyltoluene	13.463	119	156228	20.938	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	84494	21.298	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	83571	21.478	ug/l	96
89) n-Butylbenzene	13.786	91	143726	20.985	ug/l	99
90) Hexachloroethane	14.051	117	31998	21.451	ug/l	99
91) 1,2-Dichlorobenzene	13.833	146	73168	21.475	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5120	25.519	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	46871	21.071	ug/l	99
94) Hexachlorobutadiene	15.204	225	26722	21.381	ug/l	98
95) Naphthalene	15.333	128	82308	21.735	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	42457	22.494	ug/l	99

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

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