

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122623\
 Data File : VD078083.D
 Acq On : 26 Dec 2023 15:19
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD122623

Quant Time: Dec 27 03:16:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:06:15 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	7.881	168	153432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	250630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	227672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	121778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66903	49.006	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.020%		
35) Dibromofluoromethane	7.810	113	76555	47.472	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.940%		
50) Toluene-d8	10.269	98	281055	49.531	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.060%		
62) 4-Bromofluorobenzene	12.575	95	88218	48.318	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	62182	47.288	ug/l	99
3) Chloromethane	2.152	50	93373	51.489	ug/l	99
4) Vinyl Chloride	2.287	62	136496	49.935	ug/l	97
5) Bromomethane	2.699	94	108652	49.575	ug/l	99
6) Chloroethane	2.840	64	102122	50.841	ug/l	97
7) Trichlorofluoromethane	3.181	101	127690	48.533	ug/l	94
8) Diethyl Ether	3.599	74	35220	48.818	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.975	101	77746	47.444	ug/l	98
10) Methyl Iodide	4.164	142	82237	53.405	ug/l	91
11) Tert butyl alcohol	5.063	59	16120	264.735	ug/l	98
12) 1,1-Dichloroethene	3.946	96	73529	50.711	ug/l	92
13) Acrolein	3.793	56	13353	185.711	ug/l	96
14) Allyl chloride	4.569	41	89148	50.866	ug/l	89
15) Acrylonitrile	5.263	53	73699	244.207	ug/l	98
16) Acetone	4.028	43	65599	234.147	ug/l #	83
17) Carbon Disulfide	4.275	76	194191	54.203	ug/l	99
18) Methyl Acetate	4.563	43	60012	53.636	ug/l	93
19) Methyl tert-butyl Ether	5.316	73	162171	50.534	ug/l	94
20) Methylene Chloride	4.811	84	91984	55.321	ug/l	94
21) trans-1,2-Dichloroethene	5.322	96	85111	51.064	ug/l	96
22) Diisopropyl ether	6.222	45	201739	51.534	ug/l	98
23) Vinyl Acetate	6.158	43	366898m	245.153	ug/l	
24) 1,1-Dichloroethane	6.116	63	148152	51.140	ug/l	98
25) 2-Butanone	7.081	43	85984	237.219	ug/l #	87
26) 2,2-Dichloropropane	7.075	77	127078	48.825	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	100527	50.838	ug/l	96
28) Bromochloromethane	7.428	49	52991	51.127	ug/l	95
29) Tetrahydrofuran	7.446	42	49573	234.569	ug/l	95
30) Chloroform	7.599	83	154224	49.124	ug/l	99
31) Cyclohexane	7.887	56	109473	50.267	ug/l	95
32) 1,1,1-Trichloroethane	7.799	97	139463	51.688	ug/l	97
36) 1,1-Dichloropropene	8.010	75	114344	50.394	ug/l	97
37) Ethyl Acetate	7.169	43	36660	48.578	ug/l	96
38) Carbon Tetrachloride	7.993	117	123680	50.303	ug/l	97
39) Methylcyclohexane	9.275	83	133878	51.464	ug/l	96
40) Benzene	8.252	78	332260	50.806	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	23045	48.269	ug/l #	88
42) 1,2-Dichloroethane	8.328	62	87950	49.764	ug/l	95
43) Isopropyl Acetate	8.363	43	71650	47.423	ug/l #	76
44) Trichloroethene	9.034	130	96644	51.366	ug/l	96
45) 1,2-Dichloropropane	9.310	63	82831	49.984	ug/l	98
46) Dibromomethane	9.399	93	47889	51.596	ug/l	92
47) Bromodichloromethane	9.587	83	121056	50.211	ug/l	95
48) Methyl methacrylate	9.381	41	41586	48.840	ug/l	84
49) 1,4-Dioxane	9.387	88	8316	947.786	ug/l #	79
51) 4-Methyl-2-Pentanone	10.157	43	186138	240.100	ug/l	95
52) Toluene	10.334	92	217701	51.324	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	110413	50.476	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	131746	50.153	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	63440	48.571	ug/l	94
56) Ethyl methacrylate	10.598	69	51328	49.520	ug/l #	87
57) 1,3-Dichloropropane	10.881	76	104317	48.611	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	133519	297.528	ug/l	99
59) 2-Hexanone	10.922	43	131111	217.724	ug/l	95
60) Dibromochloromethane	11.075	129	81528	48.998	ug/l	97
61) 1,2-Dibromoethane	11.181	107	61153	48.836	ug/l	100
64) Tetrachloroethene	10.810	164	76348	49.628	ug/l	91
65) Chlorobenzene	11.610	112	234079	48.395	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	89619	48.954	ug/l	98
67) Ethyl Benzene	11.681	91	424891	50.388	ug/l	96
68) m/p-Xylenes	11.793	106	337917	102.969	ug/l	94
69) o-Xylene	12.122	106	155616	50.878	ug/l	94
70) Styrene	12.134	104	232428	51.469	ug/l	94
71) Bromoform	12.298	173	47444	46.974	ug/l #	100
73) Isopropylbenzene	12.422	105	419645	50.032	ug/l	97
74) N-amyl acetate	12.234	43	62745	45.062	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	70253	46.086	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	46405m	45.167	ug/l	
77) Bromobenzene	12.698	156	99958	48.988	ug/l	96
78) n-propylbenzene	12.763	91	492191	48.751	ug/l	99
79) 2-Chlorotoluene	12.851	91	267034	48.900	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	346691	49.974	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	21738	45.591	ug/l	97
82) 4-Chlorotoluene	12.945	91	285351	48.738	ug/l	97
83) tert-Butylbenzene	13.169	119	310023	49.887	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	353900	50.083	ug/l	98
85) sec-Butylbenzene	13.345	105	439866	49.577	ug/l	98
86) p-Isopropyltoluene	13.457	119	398606	50.202	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	205371	48.646	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	201843	48.748	ug/l	99
89) n-Butylbenzene	13.787	91	361161	49.555	ug/l	99
90) Hexachloroethane	14.051	117	76129	47.959	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	176888	48.788	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	9727	45.559	ug/l	88
93) 1,2,4-Trichlorobenzene	15.098	180	111630	47.159	ug/l	99
94) Hexachlorobutadiene	15.198	225	64911	48.808	ug/l	98
95) Naphthalene	15.328	128	193592	48.040	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	97897	48.741	ug/l	100

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

