

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120823\
 Data File : VD077801.D
 Acq On : 08 Dec 2023 19:52
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 08 23:15:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	131124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	228426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	212967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	117293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	85513	55.344	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.680%			
35) Dibromofluoromethane	7.810	113	86070	53.792	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.580%			
50) Toluene-d8	10.269	98	344758	53.798	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.600%			
62) 4-Bromofluorobenzene	12.575	95	105762	55.201	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	75634	46.176	ug/l	99
3) Chloromethane	2.152	50	120668	54.047	ug/l	99
4) Vinyl Chloride	2.287	62	161804	53.384	ug/l	97
5) Bromomethane	2.699	94	96479	56.728	ug/l	97
6) Chloroethane	2.840	64	110543	53.495	ug/l	96
7) Trichlorofluoromethane	3.175	101	140539	50.346	ug/l	91
8) Diethyl Ether	3.599	74	44462	56.722	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.975	101	82140	51.435	ug/l	98
10) Methyl Iodide	4.163	142	79993	56.188	ug/l	91
11) Tert butyl alcohol	5.058	59	22528	305.262	ug/l	97
12) 1,1-Dichloroethene	3.946	96	83490	52.971	ug/l #	83
13) Acrolein	3.799	56	46480	284.379	ug/l	95
14) Allyl chloride	4.569	41	119660	55.200	ug/l #	90
15) Acrylonitrile	5.252	53	101430	302.225	ug/l	99
16) Acetone	4.022	43	84461	253.356	ug/l #	81
17) Carbon Disulfide	4.275	76	276541	51.860	ug/l	97
18) Methyl Acetate	4.569	43	74241	61.010	ug/l #	88
19) Methyl tert-butyl Ether	5.322	73	197940	59.192	ug/l	96
20) Methylene Chloride	4.805	84	102176	56.465	ug/l #	82
21) trans-1,2-Dichloroethene	5.316	96	98400	55.118	ug/l	87
22) Diisopropyl ether	6.222	45	266933	58.925	ug/l	95
23) Vinyl Acetate	6.157	43	642256	290.326	ug/l #	90
24) 1,1-Dichloroethane	6.110	63	170217	55.486	ug/l	95
25) 2-Butanone	7.087	43	122505	290.890	ug/l #	82
26) 2,2-Dichloropropane	7.081	77	135281	52.523	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	111899	58.251	ug/l	91
28) Bromochloromethane	7.428	49	68786	55.490	ug/l #	75
29) Tetrahydrofuran	7.452	42	75302	306.051	ug/l	86
30) Chloroform	7.599	83	175971	57.315	ug/l	93
31) Cyclohexane	7.881	56	138995	50.576	ug/l	90
32) 1,1,1-Trichloroethane	7.799	97	146137	53.993	ug/l	99
36) 1,1-Dichloropropene	8.010	75	133629	52.212	ug/l	95
37) Ethyl Acetate	7.169	43	52407	52.515	ug/l #	94
38) Carbon Tetrachloride	7.993	117	131396	51.497	ug/l	96
39) Methylcyclohexane	9.275	83	161915	53.365	ug/l	92
40) Benzene	8.251	78	391193	53.854	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	27053m	53.336	ug/l	
42) 1,2-Dichloroethane	8.328	62	108076	57.398	ug/l	94
43) Isopropyl Acetate	8.363	43	103683	58.446	ug/l #	90
44) Trichloroethene	9.034	130	100903	53.304	ug/l	99
45) 1,2-Dichloropropane	9.304	63	98654	55.867	ug/l	92
46) Dibromomethane	9.398	93	54183	57.991	ug/l	91
47) Bromodichloromethane	9.587	83	133140	56.219	ug/l	99
48) Methyl methacrylate	9.381	41	59445	58.949	ug/l #	79
49) 1,4-Dioxane	9.387	88	10421	1123.231	ug/l #	88
51) 4-Methyl-2-Pentanone	10.157	43	265454	293.199	ug/l	90
52) Toluene	10.334	92	247193	54.860	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	131681	57.902	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	154346	56.134	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	71956	56.302	ug/l	95
56) Ethyl methacrylate	10.598	69	65192	57.865	ug/l #	81
57) 1,3-Dichloropropane	10.881	76	128141	58.167	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	179527	279.426	ug/l	94
59) 2-Hexanone	10.922	43	190564	253.700	ug/l	89
60) Dibromochloromethane	11.075	129	89517	58.176	ug/l	97
61) 1,2-Dibromoethane	11.181	107	68601	57.023	ug/l	98
64) Tetrachloroethene	10.810	164	83577	53.394	ug/l	92
65) Chlorobenzene	11.604	112	265363	52.968	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	97142	54.853	ug/l	96
67) Ethyl Benzene	11.681	91	482742	54.446	ug/l	99
68) m/p-Xylenes	11.792	106	377327	111.258	ug/l	92
69) o-Xylene	12.122	106	177518	56.794	ug/l	93
70) Styrene	12.134	104	269408	57.966	ug/l	95
71) Bromoform	12.298	173	54520	58.919	ug/l #	98
73) Isopropylbenzene	12.422	105	458798	51.610	ug/l	97
74) N-amyl acetate	12.234	43	91550	52.390	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	83584	53.924	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	59235m	58.148	ug/l	
77) Bromobenzene	12.698	156	108913	52.087	ug/l	92
78) n-propylbenzene	12.763	91	565105	52.168	ug/l	97
79) 2-Chlorotoluene	12.851	91	302853	52.169	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	392016	52.872	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	26871	53.443	ug/l	94
82) 4-Chlorotoluene	12.945	91	319580	52.658	ug/l	96
83) tert-Butylbenzene	13.169	119	339096	54.173	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	398538	53.742	ug/l	98
85) sec-Butylbenzene	13.345	105	483709	52.279	ug/l	97
86) p-Isopropyltoluene	13.457	119	441970	53.352	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	225576	52.753	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	223357	52.409	ug/l	98
89) n-Butylbenzene	13.786	91	410675	52.685	ug/l	99
90) Hexachloroethane	14.051	117	81206	53.303	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	192746	53.000	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	12574	56.120	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	127386	51.281	ug/l	97
94) Hexachlorobutadiene	15.204	225	70168	52.383	ug/l	99
95) Naphthalene	15.333	128	239901	58.126	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	109613	53.525	ug/l	100

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

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