

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050124\
 Data File : VD078858.D
 Acq On : 01 May 2024 12:44
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 05/02/2024
 Supervised By :Semsettin Yesilyurt 05/02/2024

Quant Time: May 02 07:38:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050124S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:30:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	132353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	219692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	206463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	109686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	27211	18.523	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.040%#		
35) Dibromofluoromethane	7.804	113	29796	18.472	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	36.940%#		
50) Toluene-d8	10.269	98	112491	18.172	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	36.340%#		
62) 4-Bromofluorobenzene	12.575	95	32392	18.283	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	36.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	32120	21.468	ug/l	95
3) Chloromethane	2.146	50	43281	19.464	ug/l	99
4) Vinyl Chloride	2.281	62	64682	20.038	ug/l	91
5) Bromomethane	2.681	94	61706	19.158	ug/l	97
6) Chloroethane	2.834	64	52739	19.833	ug/l	97
7) Trichlorofluoromethane	3.175	101	53552	20.385	ug/l	100
8) Diethyl Ether	3.593	74	13572	18.947	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.969	101	30988	19.634	ug/l	96
10) Methyl Iodide	4.163	142	28431	16.382	ug/l	93
11) Tert butyl alcohol	5.052	59	7186	106.787	ug/l #	85
12) 1,1-Dichloroethene	3.940	96	30252	19.332	ug/l	93
13) Acrolein	3.793	56	11788	90.699	ug/l	98
14) Allyl chloride	4.563	41	29949	19.065	ug/l	99
15) Acrylonitrile	5.252	53	27516	96.498	ug/l	95
16) Acetone	4.028	43	19584	89.397	ug/l	97
17) Carbon Disulfide	4.275	76	100880	19.494	ug/l	100
18) Methyl Acetate	4.563	43	10965	20.191	ug/l	99
19) Methyl tert-butyl Ether	5.328	73	55324	18.681	ug/l	96
20) Methylene Chloride	4.805	84	38106	17.459	ug/l #	96
21) trans-1,2-Dichloroethene	5.316	96	32677	18.622	ug/l	90
22) Diisopropyl ether	6.210	45	68097	19.604	ug/l	96
23) Vinyl Acetate	6.152	43	197970	94.537	ug/l	99
24) 1,1-Dichloroethane	6.110	63	52485	18.768	ug/l	97
25) 2-Butanone	7.081	43	28734	93.528	ug/l	100
26) 2,2-Dichloropropane	7.069	77	44224	18.742	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	36539	18.230	ug/l	97
28) Bromochloromethane	7.422	49	19970	18.980	ug/l	99
29) Tetrahydrofuran	7.446	42	16914	94.087	ug/l	94
30) Chloroform	7.599	83	60121	19.265	ug/l	99
31) Cyclohexane	7.881	56	42580	19.523	ug/l #	95
32) 1,1,1-Trichloroethane	7.793	97	50645	19.242	ug/l	97
36) 1,1-Dichloropropene	8.010	75	41042	19.781	ug/l	99
37) Ethyl Acetate	7.169	43	14147	20.615	ug/l #	72
38) Carbon Tetrachloride	7.993	117	47769	20.001	ug/l	89
39) Methylcyclohexane	9.275	83	49370	19.312	ug/l	94
40) Benzene	8.251	78	127413	18.752	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	6604	19.487	ug/l	95
42) 1,2-Dichloroethane	8.328	62	31382	19.564	ug/l	99
43) Isopropyl Acetate	8.363	43	23725	18.900	ug/l	98
44) Trichloroethene	9.034	130	33530	19.590	ug/l	73
45) 1,2-Dichloropropane	9.310	63	28342	19.020	ug/l	93
46) Dibromomethane	9.393	93	18739	19.753	ug/l	94
47) Bromodichloromethane	9.587	83	43656	18.585	ug/l	95
48) Methyl methacrylate	9.387	41	11306	19.215	ug/l	95
49) 1,4-Dioxane	9.387	88	3483	402.333	ug/l #	94
51) 4-Methyl-2-Pentanone	10.163	43	64511	95.971	ug/l	99
52) Toluene	10.334	92	79688	18.672	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	36838	18.703	ug/l	93
54) cis-1,3-Dichloropropene	10.022	75	43436	18.258	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	23696	19.258	ug/l	96
56) Ethyl methacrylate	10.598	69	23585	18.655	ug/l	98
57) 1,3-Dichloropropane	10.881	76	36746	18.885	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	58339	105.675	ug/l	99
59) 2-Hexanone	10.922	43	44561	93.626	ug/l	100
60) Dibromochloromethane	11.075	129	32602	19.548	ug/l	93
61) 1,2-Dibromoethane	11.181	107	21159	18.542	ug/l	95
64) Tetrachloroethene	10.810	164	26686	18.950	ug/l	94
65) Chlorobenzene	11.610	112	91852	19.385	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	30627	18.484	ug/l	98
67) Ethyl Benzene	11.687	91	143120	18.466	ug/l	94
68) m/p-Xylenes	11.792	106	119293	38.015	ug/l	99
69) o-Xylene	12.122	106	52001	18.125	ug/l	95
70) Styrene	12.134	104	95410	18.913	ug/l	99
71) Bromoform	12.298	173	16701	18.616	ug/l #	98
73) Isopropylbenzene	12.422	105	137130	18.547	ug/l	98
74) N-amyl acetate	12.228	43	23402	19.028	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	26751	19.311	ug/l	100
76) 1,2,3-Trichloropropane	12.728	75	20352m	22.283	ug/l	
77) Bromobenzene	12.698	156	34807	18.324	ug/l	98
78) n-propylbenzene	12.763	91	167774	18.724	ug/l	99
79) 2-Chlorotoluene	12.851	91	93567	18.709	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	114100	18.584	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	8834	18.915	ug/l	97
82) 4-Chlorotoluene	12.945	91	100195	18.787	ug/l	98
83) tert-Butylbenzene	13.163	119	98093	18.562	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	117111	18.635	ug/l	99
85) sec-Butylbenzene	13.345	105	149363	18.612	ug/l	98
86) p-Isopropyltoluene	13.457	119	125739	18.080	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	72000	18.099	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	73665	18.706	ug/l	99
89) n-Butylbenzene	13.786	91	113066	18.236	ug/l	98
90) Hexachloroethane	14.051	117	27174	18.264	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	63300	18.592	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3488	18.495	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	32677	17.277	ug/l	99
94) Hexachlorobutadiene	15.204	225	18701	19.301	ug/l	95
95) Naphthalene	15.328	128	58465	17.157	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	28282	16.879	ug/l	93

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

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