

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081224\
 Data File : VD079706.D
 Acq On : 12 Aug 2024 12:20
 Operator : RP/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/13/2024
 Supervised By :Mahesh Dadoda 08/13/2024

Quant Time: Aug 12 14:28:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081224S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 12 14:24:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	202243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	370726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	327541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	157142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95487	41.039	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.080%		
35) Dibromofluoromethane	7.805	113	99283	43.441	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.880%		
50) Toluene-d8	10.269	98	439858	46.048	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.100%		
62) 4-Bromofluorobenzene	12.569	95	118866	44.443	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	77853	46.433	ug/l	99
3) Chloromethane	2.146	50	170841	43.737	ug/l	96
4) Vinyl Chloride	2.281	62	211553	45.815	ug/l	97
5) Bromomethane	2.693	94	140935	44.841	ug/l	97
6) Chloroethane	2.834	64	146789	46.571	ug/l	97
7) Trichlorofluoromethane	3.170	101	190791	46.200	ug/l	96
8) Diethyl Ether	3.593	74	54857	42.481	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.964	101	113248	46.583	ug/l	94
10) Methyl Iodide	4.158	142	140561	51.656	ug/l	95
11) Tert butyl alcohol	5.052	59	22455	196.277	ug/l #	95
12) 1,1-Dichloroethene	3.934	96	124767	49.081	ug/l	91
13) Acrolein	3.793	56	53920	199.227	ug/l	95
14) Allyl chloride	4.564	41	184394	48.361	ug/l #	86
15) Acrylonitrile	5.252	53	122642	206.308	ug/l	98
16) Acetone	4.017	43	117547	216.526	ug/l	97
17) Carbon Disulfide	4.269	76	432073	47.948	ug/l	98
18) Methyl Acetate	4.564	43	60070	37.867	ug/l #	85
19) Methyl tert-butyl Ether	5.322	73	225382	43.179	ug/l	96
20) Methylene Chloride	4.799	84	156207	48.175	ug/l	89
21) trans-1,2-Dichloroethene	5.311	96	140353	50.288	ug/l #	84
22) Diisopropyl ether	6.216	45	384205	48.899	ug/l #	92
23) Vinyl Acetate	6.152	43	1321870	229.523	ug/l #	91
24) 1,1-Dichloroethane	6.111	63	252558	48.624	ug/l	95
25) 2-Butanone	7.081	43	147797	206.465	ug/l	92
26) 2,2-Dichloropropane	7.081	77	198902	48.489	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	155406	48.004	ug/l	85
28) Bromochloromethane	7.422	49	101042	45.729	ug/l #	63
29) Tetrahydrofuran	7.446	42	84091	193.237	ug/l #	80
30) Chloroform	7.593	83	238461	47.278	ug/l	100
31) Cyclohexane	7.875	56	198891	46.765	ug/l	84
32) 1,1,1-Trichloroethane	7.793	97	204725	49.061	ug/l	98
36) 1,1-Dichloropropene	8.005	75	179904	50.782	ug/l	94
37) Ethyl Acetate	7.169	43	61339	38.259	ug/l	96
38) Carbon Tetrachloride	7.993	117	178490	49.636	ug/l	99
39) Methylcyclohexane	9.275	83	210159	50.190	ug/l	89
40) Benzene	8.246	78	577194	50.095	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	35011	43.077	ug/l #	83
42) 1,2-Dichloroethane	8.328	62	122122	45.854	ug/l	97
43) Isopropyl Acetate	8.363	43	116856	41.793	ug/l #	78
44) Trichloroethene	9.028	130	127163	50.250	ug/l	85
45) 1,2-Dichloropropane	9.305	63	137192	48.375	ug/l	99
46) Dibromomethane	9.393	93	66602	46.387	ug/l	89
47) Bromodichloromethane	9.581	83	171042	47.258	ug/l	97
48) Methyl methacrylate	9.381	41	57850	44.981	ug/l #	80
49) 1,4-Dioxane	9.387	88	12085	836.297	ug/l #	83
51) 4-Methyl-2-Pentanone	10.157	43	296354	206.014	ug/l	93
52) Toluene	10.334	92	353267	51.131	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	157848	46.655	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	204919	49.349	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	85316	44.575	ug/l	93
56) Ethyl methacrylate	10.593	69	103295	44.384	ug/l #	84
57) 1,3-Dichloropropane	10.875	76	152060	46.083	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	240039	229.975	ug/l #	88
59) 2-Hexanone	10.916	43	215957	209.874	ug/l	94
60) Dibromochloromethane	11.075	129	106981	45.366	ug/l	97
61) 1,2-Dibromoethane	11.175	107	75071	44.170	ug/l	94
64) Tetrachloroethene	10.804	164	100614	50.274	ug/l	92
65) Chlorobenzene	11.604	112	368337	51.213	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	112464	47.963	ug/l	98
67) Ethyl Benzene	11.681	91	665331	52.721	ug/l	96
68) m/p-Xylenes	11.793	106	513228	104.584	ug/l	91
69) o-Xylene	12.116	106	235363	52.477	ug/l	89
70) Styrene	12.134	104	409741	52.076	ug/l	96
71) Bromoform	12.298	173	52531	43.583	ug/l #	99
73) Isopropylbenzene	12.416	105	610662	55.352	ug/l	98
74) N-amyl acetate	12.228	43	113338	46.112	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.669	83	90430	43.900	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	58970m	22.883	ug/l	
77) Bromobenzene	12.698	156	126958	51.455	ug/l	84
78) n-propylbenzene	12.763	91	749997	54.939	ug/l	96
79) 2-Chlorotoluene	12.846	91	414816	54.567	ug/l	91
80) 1,3,5-Trimethylbenzene	12.898	105	509349	55.675	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.463	75	35034	46.604	ug/l	98
82) 4-Chlorotoluene	12.945	91	422345	52.833	ug/l	96
83) tert-Butylbenzene	13.163	119	427557	55.375	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	518248	55.370	ug/l	97
85) sec-Butylbenzene	13.340	105	653046	54.888	ug/l	98
86) p-Isopropyltoluene	13.457	119	553048	55.333	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	270057	51.414	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	261588	50.452	ug/l	97
89) n-Butylbenzene	13.787	91	518153	54.998	ug/l	98
90) Hexachloroethane	14.051	117	106259	51.815	ug/l	90
91) 1,2-Dichlorobenzene	13.828	146	226266	50.017	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11470	40.794	ug/l	83
93) 1,2,4-Trichlorobenzene	15.098	180	129960	49.938	ug/l	98
94) Hexachlorobutadiene	15.198	225	68921	52.664	ug/l	97
95) Naphthalene	15.328	128	235407	47.296	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	109211	47.875	ug/l	98

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

