

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072224\
 Data File : VD079387.D
 Acq On : 22 Jul 2024 13:15
 Operator : RP/MD
 Sample : VSTDIC010
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jul 23 10:10:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 09:57:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/23/2024
 Supervised By :Semsettin Yesilyurt 07/23/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	171998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	312669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	299015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	140142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	19262	9.857	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.720%#		
35) Dibromofluoromethane	7.804	113	21934	10.087	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.180%#		
50) Toluene-d8	10.269	98	78552	9.550	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.100%#		
62) 4-Bromofluorobenzene	12.569	95	23687	9.416	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.840%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	16644	8.688	ug/l	96
3) Chloromethane	2.146	50	16808	10.671	ug/l	99
4) Vinyl Chloride	2.275	62	20493	10.178	ug/l	100
5) Bromomethane	2.681	94	15941	10.916	ug/l	96
6) Chloroethane	2.828	64	10143	11.629	ug/l	99
7) Trichlorofluoromethane	3.164	101	35016	11.394	ug/l	95
8) Diethyl Ether	3.587	74	11214	11.276	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.958	101	23263	11.000	ug/l #	87
10) Methyl Iodide	4.158	142	21946	9.560	ug/l	98
11) Tert butyl alcohol	5.058	59	6494	53.417	ug/l #	86
12) 1,1-Dichloroethene	3.928	96	21602	10.775	ug/l	95
13) Acrolein	3.793	56	6622	56.068	ug/l	97
14) Allyl chloride	4.558	41	27387	12.451	ug/l	86
15) Acrylonitrile	5.252	53	25729	53.435	ug/l	97
16) Acetone	4.022	43	21701	58.910	ug/l	99
17) Carbon Disulfide	4.263	76	67993	11.648	ug/l	96
18) Methyl Acetate	4.558	43	12843	11.295	ug/l #	86
19) Methyl tert-butyl Ether	5.322	73	45501	10.034	ug/l	99
20) Methylene Chloride	4.793	84	65822	11.131	ug/l	91
21) trans-1,2-Dichloroethene	5.316	96	22955	10.212	ug/l	91
22) Diisopropyl ether	6.210	45	63131	10.632	ug/l #	88
23) Vinyl Acetate	6.152	43	227536	49.469	ug/l	94
24) 1,1-Dichloroethane	6.105	63	42572	10.409	ug/l	98
25) 2-Butanone	7.081	43	29612	50.411	ug/l	99
26) 2,2-Dichloropropane	7.075	77	35464	10.400	ug/l	96
27) cis-1,2-Dichloroethene	7.075	96	26346	10.145	ug/l	85
28) Bromochloromethane	7.422	49	16782	10.100	ug/l #	76
29) Tetrahydrofuran	7.440	42	17043	47.909	ug/l #	84
30) Chloroform	7.587	83	46720	10.960	ug/l	98
31) Cyclohexane	7.881	56	33284	10.603	ug/l #	92
32) 1,1,1-Trichloroethane	7.799	97	36465	10.423	ug/l	99
36) 1,1-Dichloropropene	8.004	75	30328	10.382	ug/l	95
37) Ethyl Acetate	7.169	43	12159	9.590	ug/l	98
38) Carbon Tetrachloride	7.993	117	32185	10.443	ug/l	95
39) Methylcyclohexane	9.275	83	31812	9.480	ug/l	86
40) Benzene	8.246	78	93551	10.177	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	7774	10.838	ug/l #	75
42) 1,2-Dichloroethane	8.322	62	24743	10.800	ug/l	95
43) Isopropyl Acetate	8.357	43	23731	10.188	ug/l	97
44) Trichloroethene	9.028	130	23627	10.647	ug/l	90
45) 1,2-Dichloropropane	9.304	63	25073	10.942	ug/l	99
46) Dibromomethane	9.393	93	14609	10.893	ug/l	87
47) Bromodichloromethane	9.581	83	35636	10.783	ug/l	94
48) Methyl methacrylate	9.381	41	9846	9.349	ug/l	89
49) 1,4-Dioxane	9.393	88	2885	197.960	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	61647	48.972	ug/l	96
52) Toluene	10.328	92	57217	9.946	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	30335	10.141	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	35556	10.167	ug/l #	91
55) 1,1,2-Trichloroethane	10.728	97	18540	10.375	ug/l	95
56) Ethyl methacrylate	10.593	69	20200	9.397	ug/l	95
57) 1,3-Dichloropropane	10.881	76	31355	10.648	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	45506	47.524	ug/l	91
59) 2-Hexanone	10.916	43	43361	48.630	ug/l	95
60) Dibromochloromethane	11.075	129	23710	10.332	ug/l	95
61) 1,2-Dibromoethane	11.175	107	16706	10.087	ug/l	89
64) Tetrachloroethene	10.804	164	19517	10.333	ug/l	91
65) Chlorobenzene	11.604	112	65888	10.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	22445	10.062	ug/l	97
67) Ethyl Benzene	11.681	91	101854	9.358	ug/l	94
68) m/p-Xylenes	11.793	106	80068	18.963	ug/l	90
69) o-Xylene	12.116	106	36335	9.261	ug/l	88
70) Styrene	12.134	104	63105	9.057	ug/l	93
71) Bromoform	12.292	173	13248	10.097	ug/l #	94
73) Isopropylbenzene	12.416	105	94401	9.660	ug/l	97
74) N-amyl acetate	12.228	43	21558	9.702	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.669	83	22652	10.561	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	12276m	8.232	ug/l	
77) Bromobenzene	12.698	156	23840	10.042	ug/l	82
78) n-propylbenzene	12.757	91	116591	9.486	ug/l	95
79) 2-Chlorotoluene	12.845	91	68637	9.790	ug/l	95
80) 1,3,5-Trimethylbenzene	12.898	105	78753	9.609	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.463	75	7567	10.169	ug/l	92
82) 4-Chlorotoluene	12.940	91	74042	9.894	ug/l	95
83) tert-Butylbenzene	13.163	119	65135	9.340	ug/l	92
84) 1,2,4-Trimethylbenzene	13.204	105	77931	9.369	ug/l	97
85) sec-Butylbenzene	13.339	105	103908	9.550	ug/l	97
86) p-Isopropyltoluene	13.457	119	81724	9.165	ug/l	96
87) 1,3-Dichlorobenzene	13.451	146	50544	10.211	ug/l	96
88) 1,4-Dichlorobenzene	13.534	146	51957	10.502	ug/l	95
89) n-Butylbenzene	13.781	91	80784	9.269	ug/l	94
90) Hexachloroethane	14.051	117	20845	10.418	ug/l	92
91) 1,2-Dichlorobenzene	13.822	146	43655	10.192	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.439	75	2999	10.094	ug/l	85
93) 1,2,4-Trichlorobenzene	15.092	180	24166	9.820	ug/l	96
94) Hexachlorobutadiene	15.198	225	13713	9.973	ug/l	92
95) Naphthalene	15.328	128	44535	9.007	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.516	180	20736	9.281	ug/l	96

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

