

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072224\
 Data File : VD079393.D
 Acq On : 22 Jul 2024 17:29
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Quant Time: Jul 23 10:18:02 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	7.869	168	149378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	283050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	265725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	122008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.240	65	9052	5.334	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.660%#		
35) Dibromofluoromethane	7.805	113	10091	5.126	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.260%#		
50) Toluene-d8	10.269	98	34710	4.661	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.320%#		
62) 4-Bromofluorobenzene	12.569	95	10526	4.622	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.240%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	8493	3.320	ug/l	81
3) Chloromethane	2.146	50	7108	5.196	ug/l	89
4) Vinyl Chloride	2.275	62	6903	4.490	ug/l	91
5) Bromomethane	2.681	94	7642	5.922	ug/l	98
6) Chloroethane	2.834	64	3941	5.203	ug/l	93
7) Trichlorofluoromethane	3.169	101	15397	5.769	ug/l	92
8) Diethyl Ether	3.587	74	4522	5.236	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.952	101	10782	5.870	ug/l	98
10) Methyl Iodide	4.158	142	8619	4.323	ug/l #	77
11) Tert butyl alcohol	5.063	59	2970	28.130	ug/l #	92
12) 1,1-Dichloroethene	3.928	96	9926	5.701	ug/l #	77
13) Acrolein	3.799	56	2797	13.489	ug/l #	82
14) Allyl chloride	4.552	41	8788	6.091	ug/l	91
15) Acrylonitrile	5.252	53	11134	26.625	ug/l	96
16) Acetone	4.028	43	6921	30.626	ug/l #	86
17) Carbon Disulfide	4.264	76	27341	5.393	ug/l #	94
18) Methyl Acetate	4.558	43	4878	4.940	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	19962	5.069	ug/l #	86
20) Methylene Chloride	4.793	84	42119	3.311	ug/l	96
21) trans-1,2-Dichloroethene	5.299	96	10987	5.628	ug/l	94
22) Diisopropyl ether	6.216	45	25157	4.878	ug/l	93
23) Vinyl Acetate	6.152	43	96938	24.267	ug/l	96
24) 1,1-Dichloroethane	6.099	63	21465	6.043	ug/l	92
25) 2-Butanone	7.087	43	14195	27.824	ug/l	93
26) 2,2-Dichloropropane	7.063	77	17812	6.014	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	11790	5.227	ug/l	81
28) Bromochloromethane	7.422	49	8577	5.943	ug/l #	73
29) Tetrahydrofuran	7.452	42	7871	25.476	ug/l #	81
30) Chloroform	7.593	83	21373	5.773	ug/l	95
31) Cyclohexane	7.875	56	16744	6.142	ug/l #	67
32) 1,1,1-Trichloroethane	7.793	97	17880	5.885	ug/l	95
36) 1,1-Dichloropropene	8.005	75	14190	5.366	ug/l	94
37) Ethyl Acetate	7.181	43	5996	5.224	ug/l #	69
38) Carbon Tetrachloride	7.987	117	15426	5.529	ug/l	94
39) Methylcyclohexane	9.275	83	14423	4.748	ug/l #	86
40) Benzene	8.246	78	44919	5.398	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.387	41	2698	4.155	ug/l #	80
42) 1,2-Dichloroethane	8.322	62	11425	5.508	ug/l	97
43) Isopropyl Acetate	8.363	43	9736	4.617	ug/l #	78
44) Trichloroethene	9.028	130	10846	5.399	ug/l	88
45) 1,2-Dichloropropane	9.304	63	10749	5.182	ug/l	98
46) Dibromomethane	9.387	93	6638	5.467	ug/l	95
47) Bromodichloromethane	9.587	83	16078	5.374	ug/l	96
48) Methyl methacrylate	9.381	41	4561	4.784	ug/l	89
49) 1,4-Dioxane	9.387	88	1293	98.006	ug/l #	62
51) 4-Methyl-2-Pentanone	10.157	43	26317	23.094	ug/l	95
52) Toluene	10.328	92	26406	5.071	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	13989	5.166	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	15633	4.938	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	8580	5.304	ug/l	97
56) Ethyl methacrylate	10.593	69	8472	4.354	ug/l	91
57) 1,3-Dichloropropane	10.881	76	13082	4.907	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	18465	21.302	ug/l	91
59) 2-Hexanone	10.922	43	18430	22.832	ug/l	91
60) Dibromochloromethane	11.069	129	10945	5.269	ug/l	99
61) 1,2-Dibromoethane	11.181	107	7883	5.258	ug/l	94
64) Tetrachloroethene	10.804	164	10051	5.988	ug/l	89
65) Chlorobenzene	11.604	112	32430	5.556	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.681	131	10628	5.361	ug/l	98
67) Ethyl Benzene	11.681	91	46334	4.790	ug/l	99
68) m/p-Xylenes	11.787	106	34471	9.187	ug/l	91
69) o-Xylene	12.116	106	16444	4.716	ug/l	91
70) Styrene	12.134	104	27541	4.448	ug/l	96
71) Bromoform	12.298	173	6235	5.347	ug/l #	100
73) Isopropylbenzene	12.416	105	39795	4.677	ug/l	99
74) N-amyl acetate	12.228	43	8992	4.648	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.669	83	10276	5.503	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	7775m	5.989	ug/l	
77) Bromobenzene	12.698	156	10779	5.215	ug/l	78
78) n-propylbenzene	12.757	91	52226	4.881	ug/l	95
79) 2-Chlorotoluene	12.845	91	30609	5.015	ug/l	92
80) 1,3,5-Trimethylbenzene	12.898	105	33188	4.651	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	3129	4.830	ug/l	99
82) 4-Chlorotoluene	12.940	91	33586	5.155	ug/l	92
83) tert-Butylbenzene	13.163	119	28550	4.702	ug/l	88
84) 1,2,4-Trimethylbenzene	13.210	105	32636	4.507	ug/l	98
85) sec-Butylbenzene	13.340	105	46654	4.925	ug/l	97
86) p-Isopropyltoluene	13.457	119	35440	4.565	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	23055	5.350	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	23751	5.515	ug/l	89
89) n-Butylbenzene	13.781	91	37013	4.878	ug/l	96
90) Hexachloroethane	14.051	117	9845	5.652	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	19410	5.205	ug/l	87
92) 1,2-Dibromo-3-Chloropr...	14.439	75	1413	5.463	ug/l	92
93) 1,2,4-Trichlorobenzene	15.092	180	10745	5.015	ug/l	97
94) Hexachlorobutadiene	15.198	225	6844	5.717	ug/l	92
95) Naphthalene	15.328	128	20746	4.819	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	10665	5.483	ug/l	96

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

