

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051024\
 Data File : VD078896.D
 Acq On : 10 May 2024 15:53
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Quant Time: May 11 04:59:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051024S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 11 04:52:10 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2024
 Supervised By :Semsettin Yesilyurt 05/13/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	125918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	210020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	193096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	92706	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	7191	6.331	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	12.660%#
35) Dibromofluoromethane	7.804	113	8496	6.232	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	12.460%#
50) Toluene-d8	10.275	98	28834	5.623	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	11.240%#
62) 4-Bromofluorobenzene	12.575	95	7749	5.350	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	10.700%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	7365	5.815	ug/l	98
3) Chloromethane	2.152	50	11261	6.035	ug/l	100
4) Vinyl Chloride	2.287	62	16008	5.661	ug/l	90
5) Bromomethane	2.693	94	16209	5.934	ug/l	99
6) Chloroethane	2.840	64	13820	5.922	ug/l	89
7) Trichlorofluoromethane	3.181	101	15337	5.855	ug/l	97
8) Diethyl Ether	3.593	74	2777	4.121	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.969	101	7301	5.006	ug/l	96
10) Methyl Iodide	4.163	142	7298	4.196	ug/l	98
11) Tert butyl alcohol	5.057	59	1470	24.973	ug/l #	75
12) 1,1-Dichloroethene	3.940	96	6967	4.847	ug/l #	78
13) Acrolein	3.805	56	3189	24.089	ug/l #	63
14) Allyl chloride	4.563	41	6335	4.761	ug/l	90
15) Acrylonitrile	5.246	53	5872	24.913	ug/l	98
16) Acetone	4.022	43	5366	24.042	ug/l	94
17) Carbon Disulfide	4.269	76	24300	5.153	ug/l #	93
18) Methyl Acetate	4.569	43	1648m	3.826	ug/l	
19) Methyl tert-butyl Ether	5.316	73	11398	4.464	ug/l #	87
20) Methylene Chloride	4.805	84	24047	4.319	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	7265	4.892	ug/l	95
22) Diisopropyl ether	6.210	45	13473	4.631	ug/l #	75
23) Vinyl Acetate	6.157	43	38517	21.990	ug/l	100
24) 1,1-Dichloroethane	6.116	63	11383	5.043	ug/l	96
25) 2-Butanone	7.081	43	6871	25.136	ug/l	96
26) 2,2-Dichloropropane	7.069	77	11284	5.529	ug/l	98
27) cis-1,2-Dichloroethene	7.087	96	8627	5.015	ug/l	98
28) Bromochloromethane	7.434	49	3564	4.525	ug/l #	88
29) Tetrahydrofuran	7.451	42	3190	20.978	ug/l	95
30) Chloroform	7.598	83	13449	5.211	ug/l	91
31) Cyclohexane	7.887	56	10484	5.651	ug/l #	90
32) 1,1,1-Trichloroethane	7.798	97	12396	5.461	ug/l	97
36) 1,1-Dichloropropene	8.004	75	9021	4.925	ug/l	98
37) Ethyl Acetate	7.169	43	2746	4.543	ug/l #	92
38) Carbon Tetrachloride	7.993	117	10929	5.082	ug/l	98
39) Methylcyclohexane	9.281	83	11284	4.806	ug/l	89
40) Benzene	8.251	78	29472	4.990	ug/l	94

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41) Methacrylonitrile	7.393	41	1599	4.773	ug/l #	79
42) 1,2-Dichloroethane	8.328	62	6895	5.009	ug/l	99
43) Isopropyl Acetate	8.363	43	5262	4.688	ug/l #	86
44) Trichloroethene	9.028	130	7946	5.048	ug/l	96
45) 1,2-Dichloropropane	9.298	63	6582	5.059	ug/l	98
46) Dibromomethane	9.398	93	3898	4.721	ug/l	97
47) Bromodichloromethane	9.587	83	10956	5.362	ug/l #	90
48) Methyl methacrylate	9.381	41	2406	4.618	ug/l	95
49) 1,4-Dioxane	9.387	88	691	86.864	ug/l #	69
51) 4-Methyl-2-Pentanone	10.157	43	12943	22.462	ug/l	99
52) Toluene	10.334	92	17761	4.635	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	7753	4.478	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	9906	4.766	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	5548	5.033	ug/l	93
56) Ethyl methacrylate	10.604	69	4574	4.012	ug/l	95
57) 1,3-Dichloropropane	10.881	76	8316	4.856	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.875	63	8659	19.157	ug/l	93
59) 2-Hexanone	10.922	43	9213	21.703	ug/l	92
60) Dibromochloromethane	11.075	129	7100	4.776	ug/l	99
61) 1,2-Dibromoethane	11.175	107	5031	4.879	ug/l	99
64) Tetrachloroethene	10.810	164	7046	5.265	ug/l	92
65) Chlorobenzene	11.604	112	21772	5.037	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	7339	4.916	ug/l	100
67) Ethyl Benzene	11.687	91	31115	4.510	ug/l	98
68) m/p-Xylenes	11.798	106	24416	8.605	ug/l	98
69) o-Xylene	12.116	106	10873	4.239	ug/l	96
70) Styrene	12.134	104	18619	4.094	ug/l	95
71) Bromoform	12.298	173	3597	4.472	ug/l #	98
73) Isopropylbenzene	12.422	105	28110	4.711	ug/l	99
74) N-amyl acetate	12.234	43	4213	4.500	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.669	83	5148	4.965	ug/l	81
76) 1,2,3-Trichloropropane	12.722	75	3585m	4.969	ug/l	
77) Bromobenzene	12.704	156	7409	4.869	ug/l	93
78) n-propylbenzene	12.763	91	34319	4.776	ug/l	100
79) 2-Chlorotoluene	12.851	91	19205	4.886	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	22929	4.615	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	1699	4.826	ug/l #	87
82) 4-Chlorotoluene	12.945	91	22781	5.318	ug/l	91
83) tert-Butylbenzene	13.169	119	20500	4.638	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	21926	4.376	ug/l	97
85) sec-Butylbenzene	13.345	105	31060	4.755	ug/l	100
86) p-Isopropyltoluene	13.463	119	24481	4.318	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	15524	4.847	ug/l	96
88) 1,4-Dichlorobenzene	13.533	146	16558	5.197	ug/l	94
89) n-Butylbenzene	13.786	91	23230	4.639	ug/l	98
90) Hexachloroethane	14.057	117	6022	5.238	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	14177	5.182	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	695	4.865	ug/l	77
93) 1,2,4-Trichlorobenzene	15.098	180	7351	4.610	ug/l	94
94) Hexachlorobutadiene	15.204	225	4790	5.570	ug/l	91
95) Naphthalene	15.333	128	12130	4.333	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.522	180	6539	4.701	ug/l	97

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

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