

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083024\
 Data File : VD079749.D
 Acq On : 30 Aug 2024 11:31
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 09/03/2024
 Supervised By :Mahesh Dadoda 09/03/2024

Quant Time: Aug 30 14:30:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 13:02:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	122946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	248446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	228771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	117171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	35435	21.138	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	42.280%#		
35) Dibromofluoromethane	7.799	113	31456	19.479	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.960%#		
50) Toluene-d8	10.269	98	133503	19.276	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.560%#		
62) 4-Bromofluorobenzene	12.569	95	36459	18.814	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	37.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	29698	20.117	ug/l	93
3) Chloromethane	2.146	50	62143	20.206	ug/l	92
4) Vinyl Chloride	2.281	62	76960	20.772	ug/l	96
5) Bromomethane	2.675	94	52578	20.500	ug/l	98
6) Chloroethane	2.834	64	53074	21.129	ug/l	99
7) Trichlorofluoromethane	3.169	101	56253	20.113	ug/l	94
8) Diethyl Ether	3.593	74	17409	19.620	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.964	101	30387	19.405	ug/l	92
10) Methyl Iodide	4.158	142	35637	19.750	ug/l	93
11) Tert butyl alcohol	5.046	59	8529m	101.770	ug/l	
12) 1,1-Dichloroethene	3.940	96	31885	19.393	ug/l	83
13) Acrolein	3.793	56	16891	104.801	ug/l	95
14) Allyl chloride	4.558	41	47855	19.757	ug/l #	84
15) Acrylonitrile	5.258	53	39887	99.688	ug/l	99
16) Acetone	4.022	43	33460	96.184	ug/l	94
17) Carbon Disulfide	4.269	76	120712	20.079	ug/l	99
18) Methyl Acetate	4.564	43	21563	21.624	ug/l #	84
19) Methyl tert-butyl Ether	5.316	73	69654	19.358	ug/l	91
20) Methylene Chloride	4.799	84	44527	19.696	ug/l #	85
21) trans-1,2-Dichloroethene	5.311	96	36062	19.763	ug/l #	82
22) Diisopropyl ether	6.210	45	103525	20.308	ug/l #	92
23) Vinyl Acetate	6.158	43	272256	100.935	ug/l #	86
24) 1,1-Dichloroethane	6.111	63	65966	19.789	ug/l	95
25) 2-Butanone	7.075	43	44397	95.664	ug/l	93
26) 2,2-Dichloropropane	7.075	77	50588	19.505	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	41221	19.696	ug/l	87
28) Bromochloromethane	7.428	49	30114	20.325	ug/l #	67
29) Tetrahydrofuran	7.440	42	28397	98.925	ug/l #	78
30) Chloroform	7.593	83	66482	20.090	ug/l	94
31) Cyclohexane	7.881	56	53744	19.177	ug/l #	81
32) 1,1,1-Trichloroethane	7.787	97	53983	19.585	ug/l	96
36) 1,1-Dichloropropene	8.005	75	45019	18.808	ug/l	97
37) Ethyl Acetate	7.169	43	21287	20.125	ug/l #	92
38) Carbon Tetrachloride	7.993	117	47877	18.755	ug/l	96
39) Methylcyclohexane	9.275	83	52425	17.986	ug/l	89
40) Benzene	8.252	78	153993	19.291	ug/l #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	11916	19.687	ug/l #	79
42) 1,2-Dichloroethane	8.322	62	39039	19.941	ug/l	92
43) Isopropyl Acetate	8.357	43	37261	18.882	ug/l #	78
44) Trichloroethene	9.028	130	32466	19.057	ug/l	90
45) 1,2-Dichloropropane	9.304	63	37126	19.266	ug/l	100
46) Dibromomethane	9.393	93	20369	19.982	ug/l #	86
47) Bromodichloromethane	9.581	83	49784	19.556	ug/l	92
48) Methyl methacrylate	9.381	41	18211	19.120	ug/l #	79
49) 1,4-Dioxane	9.387	88	4290	418.895	ug/l #	85
51) 4-Methyl-2-Pentanone	10.157	43	97539	94.628	ug/l	92
52) Toluene	10.334	92	94111	19.493	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	44868	18.696	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	54835	19.182	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	25685	19.261	ug/l	91
56) Ethyl methacrylate	10.599	69	30247	18.102	ug/l #	83
57) 1,3-Dichloropropane	10.881	76	44730	18.606	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	73688	107.147	ug/l	89
59) 2-Hexanone	10.922	43	67571	98.222	ug/l	88
60) Dibromochloromethane	11.075	129	31862	19.424	ug/l	97
61) 1,2-Dibromoethane	11.181	107	22771	19.484	ug/l	95
64) Tetrachloroethene	10.810	164	24992	18.598	ug/l	90
65) Chlorobenzene	11.604	112	99246	19.552	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.675	131	33474	20.075	ug/l	96
67) Ethyl Benzene	11.681	91	166552	18.613	ug/l	99
68) m/p-Xylenes	11.787	106	130599	38.021	ug/l	92
69) o-Xylene	12.116	106	60907	19.025	ug/l	89
70) Styrene	12.134	104	106258	19.015	ug/l	96
71) Bromoform	12.298	173	17070	20.414	ug/l #	95
73) Isopropylbenzene	12.416	105	152879	18.332	ug/l	97
74) N-amyl acetate	12.234	43	36284	18.306	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.669	83	31867	19.907	ug/l	90
76) 1,2,3-Trichloropropane	12.722	75	18660m	17.866	ug/l	
77) Bromobenzene	12.698	156	34585	18.634	ug/l	82
78) n-propylbenzene	12.757	91	187906	18.235	ug/l	95
79) 2-Chlorotoluene	12.845	91	106635	18.575	ug/l	94
80) 1,3,5-Trimethylbenzene	12.898	105	128060	18.471	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	11361	18.921	ug/l	94
82) 4-Chlorotoluene	12.945	91	111841	18.705	ug/l	98
83) tert-Butylbenzene	13.163	119	102725	17.830	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	128179	17.922	ug/l	97
85) sec-Butylbenzene	13.340	105	161045	18.283	ug/l	99
86) p-Isopropyltoluene	13.457	119	137663	18.859	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	73555	18.461	ug/l	96
88) 1,4-Dichlorobenzene	13.534	146	73807	18.527	ug/l	97
89) n-Butylbenzene	13.787	91	125667	17.808	ug/l	98
90) Hexachloroethane	14.051	117	26990	18.121	ug/l	89
91) 1,2-Dichlorobenzene	13.828	146	64554	18.919	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4312	18.450	ug/l	76
93) 1,2,4-Trichlorobenzene	15.092	180	33537	17.895	ug/l	97
94) Hexachlorobutadiene	15.198	225	16376	18.171	ug/l	91
95) Naphthalene	15.328	128	67239	17.680	ug/l	96
96) 1,2,3-Trichlorobenzene	15.516	180	29028	17.726	ug/l	99

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

