

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100623\
 Data File : VD077284.D
 Acq On : 06 Oct 2023 11:44
 Operator : JC/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/09/2023
 Supervised By :Semsettin Yesilyurt 10/09/2023

Quant Time: Oct 09 09:33:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 09 09:30:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	161269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	285702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	269285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	136476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	9067	4.452	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	8.900%#		
35) Dibromofluoromethane	7.810	113	11453	4.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.300%#		
50) Toluene-d8	10.269	98	34601	3.896	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	7.800%#		
62) 4-Bromofluorobenzene	12.575	95	12281	4.348	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	8.700%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	13109	6.062	ug/l	86
3) Chloromethane	2.146	50	20701	6.035	ug/l #	86
4) Vinyl Chloride	2.281	62	25270	6.092	ug/l	97
5) Bromomethane	2.693	94	18593	6.251	ug/l	96
6) Chloroethane	2.828	64	15570	5.833	ug/l	96
7) Trichlorofluoromethane	3.175	101	24625	5.686	ug/l	100
8) Diethyl Ether	3.587	74	6542	5.036	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.969	101	15028	5.649	ug/l	94
10) Methyl Iodide	4.152	142	15321	4.589	ug/l #	90
11) Tert butyl alcohol	5.064	59	4092m	27.595	ug/l	
12) 1,1-Dichloroethene	3.934	96	13573	5.229	ug/l	89
13) Acrolein	3.811	56	2042	54.718	ug/l	84
14) Allyl chloride	4.552	41	17254	5.001	ug/l	90
15) Acrylonitrile	5.264	53	14364	23.823	ug/l	93
16) Acetone	4.017	43	16599	29.956	ug/l #	78
17) Carbon Disulfide	4.264	76	48530	5.610	ug/l	98
18) Methyl Acetate	4.558	43	11495	5.242	ug/l	92
19) Methyl tert-butyl Ether	5.328	73	24976	4.459	ug/l	94
20) Methylene Chloride	4.799	84	40915	5.259	ug/l #	83
21) trans-1,2-Dichloroethene	5.316	96	16600	5.358	ug/l	89
22) Diisopropyl ether	6.216	45	33439	4.466	ug/l #	95
23) Vinyl Acetate	6.158	43	67614m	21.875	ug/l	
24) 1,1-Dichloroethane	6.116	63	28364	5.457	ug/l	93
25) 2-Butanone	7.081	43	19311	25.746	ug/l #	80
26) 2,2-Dichloropropane	7.075	77	24385	5.557	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	16827	4.932	ug/l	87
28) Bromochloromethane	7.416	49	9887	4.872	ug/l #	85
29) Tetrahydrofuran	7.452	42	9456	21.983	ug/l	91
30) Chloroform	7.593	83	29719	5.516	ug/l #	76
31) Cyclohexane	7.875	56	22020	5.221	ug/l #	88
32) 1,1,1-Trichloroethane	7.787	97	25609	5.652	ug/l	98
36) 1,1-Dichloropropene	8.005	75	19927	4.796	ug/l	94
37) Ethyl Acetate	7.169	43	8365	5.015	ug/l #	87
38) Carbon Tetrachloride	7.993	117	20135	5.202	ug/l	85
39) Methylcyclohexane	9.275	83	21408	4.436	ug/l #	80
40) Benzene	8.246	78	62885	4.992	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	4458	4.770	ug/l	89
42) 1,2-Dichloroethane	8.322	62	16376	5.465	ug/l	98
43) Isopropyl Acetate	8.357	43	15053	4.914	ug/l #	76
44) Trichloroethene	9.028	130	16863	5.273	ug/l	81
45) 1,2-Dichloropropane	9.305	63	16628	5.278	ug/l	99
46) Dibromomethane	9.399	93	9110	5.353	ug/l	90
47) Bromodichloromethane	9.587	83	22176	5.404	ug/l #	93
48) Methyl methacrylate	9.381	41	6288	4.487	ug/l	85
49) 1,4-Dioxane	9.381	88	1829	102.267	ug/l #	94
51) 4-Methyl-2-Pentanone	10.163	43	36325	22.772	ug/l	87
52) Toluene	10.334	92	37590	4.805	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	17900	4.609	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	22791	4.789	ug/l #	93
55) 1,1,2-Trichloroethane	10.728	97	12850	5.511	ug/l	92
56) Ethyl methacrylate	10.599	69	10366	3.958	ug/l	89
57) 1,3-Dichloropropane	10.881	76	18671	4.818	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.875	63	27770	22.106	ug/l	94
59) 2-Hexanone	10.922	43	25479	22.318	ug/l	84
60) Dibromochloromethane	11.075	129	14326	5.290	ug/l	99
61) 1,2-Dibromoethane	11.181	107	11010	5.079	ug/l	100
64) Tetrachloroethene	10.804	164	13779	5.361	ug/l	96
65) Chlorobenzene	11.604	112	41617	5.161	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	14780	5.170	ug/l	96
67) Ethyl Benzene	11.681	91	64132	4.414	ug/l	94
68) m/p-Xylenes	11.793	106	49136	8.714	ug/l	90
69) o-Xylene	12.122	106	22099	4.257	ug/l	89
70) Styrene	12.134	104	37186	4.164	ug/l	92
71) Bromoform	12.298	173	7737	5.118	ug/l #	92
73) Isopropylbenzene	12.422	105	59117	4.476	ug/l	98
74) N-amyl acetate	12.234	43	11933	4.397	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	14498	5.511	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	9554m	5.311	ug/l	
77) Bromobenzene	12.704	156	15438	5.132	ug/l	85
78) n-propylbenzene	12.763	91	72273	4.382	ug/l	95
79) 2-Chlorotoluene	12.851	91	41820	4.707	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	47714	4.387	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	4087	4.862	ug/l	97
82) 4-Chlorotoluene	12.945	91	44584	4.742	ug/l	96
83) tert-Butylbenzene	13.163	119	41253	4.462	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	45766	4.188	ug/l	99
85) sec-Butylbenzene	13.345	105	63821	4.472	ug/l	95
86) p-Isopropyltoluene	13.457	119	49752	4.219	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	31416	4.987	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	32586	5.248	ug/l	93
89) n-Butylbenzene	13.787	91	49364	4.310	ug/l	97
90) Hexachloroethane	14.051	117	12627	5.398	ug/l	90
91) 1,2-Dichlorobenzene	13.828	146	27251	5.046	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1798	5.182	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	15550	4.717	ug/l	96
94) Hexachlorobutadiene	15.204	225	8713	5.143	ug/l	99
95) Naphthalene	15.328	128	27855	4.319	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	13255	4.596	ug/l	95

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

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