

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100623\
 Data File : VD077276.D
 Acq On : 05 Oct 2023 15:36
 Operator : JC/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Oct 06 07:39:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 07:36:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	166967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	288679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	274377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	140696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	19965	9.855	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.700%#		
35) Dibromofluoromethane	7.804	113	23648	9.797	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.600%#		
50) Toluene-d8	10.269	98	78538	9.159	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.320%#		
62) 4-Bromofluorobenzene	12.575	95	25985	9.742	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.480%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	24207	11.249	ug/l	90
3) Chloromethane	2.146	50	38737	11.549	ug/l	93
4) Vinyl Chloride	2.281	62	48329	11.774	ug/l	90
5) Bromomethane	2.687	94	32828	11.320	ug/l	96
6) Chloroethane	2.828	64	30545	12.497	ug/l	98
7) Trichlorofluoromethane	3.169	101	46485	12.118	ug/l	97
8) Diethyl Ether	3.593	74	13074	10.499	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.958	101	29108	11.212	ug/l	99
10) Methyl Iodide	4.158	142	32410	10.132	ug/l #	87
11) Tert butyl alcohol	5.052	59	7628	55.216	ug/l #	73
12) 1,1-Dichloroethene	3.934	96	27559	10.876	ug/l	95
13) Acrolein	3.799	56	5065	52.317	ug/l	100
14) Allyl chloride	4.552	41	34203	10.402	ug/l	92
15) Acrylonitrile	5.252	53	29947	52.144	ug/l	97
16) Acetone	4.022	43	26970	52.363	ug/l #	86
17) Carbon Disulfide	4.269	76	92880	10.873	ug/l	98
18) Methyl Acetate	4.563	43	21930	10.649	ug/l	95
19) Methyl tert-butyl Ether	5.316	73	51542	9.803	ug/l	96
20) Methylene Chloride	4.799	84	54601	10.478	ug/l #	85
21) trans-1,2-Dichloroethene	5.305	96	32518	10.869	ug/l	95
22) Diisopropyl ether	6.216	45	71300	10.203	ug/l #	93
23) Vinyl Acetate	6.152	43	146264	51.194	ug/l	93
24) 1,1-Dichloroethane	6.116	63	55472	11.153	ug/l	94
25) 2-Butanone	7.081	43	37669	53.593	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	45841	10.799	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	33473	10.438	ug/l	89
28) Bromochloromethane	7.422	49	22380	10.208	ug/l	82
29) Tetrahydrofuran	7.446	42	20554	51.081	ug/l	86
30) Chloroform	7.593	83	57038	11.032	ug/l	95
31) Cyclohexane	7.881	56	43499	10.561	ug/l	93
32) 1,1,1-Trichloroethane	7.793	97	48503	10.975	ug/l	96
36) 1,1-Dichloropropene	8.004	75	40968	10.182	ug/l	96
37) Ethyl Acetate	7.169	43	17334	10.820	ug/l #	88
38) Carbon Tetrachloride	7.987	117	38527	10.346	ug/l	96
39) Methylcyclohexane	9.275	83	43469	9.436	ug/l #	85
40) Benzene	8.251	78	124258	10.366	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	7740	9.426	ug/l #	88
42) 1,2-Dichloroethane	8.328	62	30435	10.711	ug/l	99
43) Isopropyl Acetate	8.363	43	28856	10.211	ug/l #	75
44) Trichloroethene	9.022	130	32995	10.754	ug/l	96
45) 1,2-Dichloropropane	9.304	63	31217	10.586	ug/l	98
46) Dibromomethane	9.393	93	18104	11.008	ug/l	91
47) Bromodichloromethane	9.581	83	40963	10.745	ug/l	96
48) Methyl methacrylate	9.375	41	12423	9.489	ug/l	88
49) 1,4-Dioxane	9.375	88	3192	194.959	ug/l #	87
51) 4-Methyl-2-Pentanone	10.157	43	72817	49.653	ug/l	89
52) Toluene	10.334	92	74318	10.113	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	37251	10.216	ug/l	98
54) cis-1,3-Dichloropropene	10.010	75	43608	9.964	ug/l #	92
55) 1,1,2-Trichloroethane	10.728	97	24463	10.904	ug/l	95
56) Ethyl methacrylate	10.598	69	21830	8.923	ug/l #	86
57) 1,3-Dichloropropane	10.875	76	37355	10.186	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	27635	52.931	ug/l	98
59) 2-Hexanone	10.922	43	50800	48.379	ug/l	85
60) Dibromochloromethane	11.075	129	26862	10.460	ug/l	100
61) 1,2-Dibromoethane	11.181	107	21414	10.260	ug/l	96
64) Tetrachloroethene	10.810	164	27953	11.113	ug/l	97
65) Chlorobenzene	11.604	112	81107	10.489	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	28509	10.461	ug/l	98
67) Ethyl Benzene	11.681	91	133699	9.708	ug/l	98
68) m/p-Xylenes	11.792	106	106113	19.824	ug/l	91
69) o-Xylene	12.122	106	46459	9.553	ug/l	91
70) Styrene	12.134	104	80595	9.646	ug/l	96
71) Bromoform	12.298	173	17278	11.415	ug/l #	95
73) Isopropylbenzene	12.422	105	120894	9.497	ug/l	97
74) N-amyl acetate	12.234	43	25679	9.823	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	26092	10.315	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	14562m	10.518	ug/l	
77) Bromobenzene	12.698	156	31302	10.536	ug/l	93
78) n-propylbenzene	12.763	91	153611	9.612	ug/l	96
79) 2-Chlorotoluene	12.851	91	85645	9.958	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	103203	9.810	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	8659	10.555	ug/l	96
82) 4-Chlorotoluene	12.945	91	92733	10.237	ug/l	93
83) tert-Butylbenzene	13.169	119	87638	9.773	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	100412	9.547	ug/l	95
85) sec-Butylbenzene	13.345	105	134916	9.811	ug/l	95
86) p-Isopropyltoluene	13.463	119	109138	9.554	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	63593	10.311	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	66607	10.916	ug/l	96
89) n-Butylbenzene	13.786	91	105991	9.631	ug/l	95
90) Hexachloroethane	14.051	117	24647	10.776	ug/l	90
91) 1,2-Dichlorobenzene	13.828	146	56292	10.694	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	3654	11.156	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	30515	9.648	ug/l	98
94) Hexachlorobutadiene	15.204	225	17999	10.800	ug/l	97
95) Naphthalene	15.333	128	56961	9.360	ug/l	95
96) 1,2,3-Trichlorobenzene	15.522	180	28232	10.034	ug/l	97

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

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