

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100623\
 Data File : VD077290.D
 Acq On : 06 Oct 2023 16:43
 Operator : JC/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 09:38:50 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	7.869	168	191623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	329469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	312097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	165107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	45936	18.982	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.960%#		
35) Dibromofluoromethane	7.804	113	51783	18.215	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	36.420%#		
50) Toluene-d8	10.269	98	181369	17.708	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	35.420%#		
62) 4-Bromofluorobenzene	12.575	95	63506	19.498	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	54038	21.030	ug/l	97
3) Chloromethane	2.146	50	85283	20.923	ug/l	99
4) Vinyl Chloride	2.281	62	103039	20.905	ug/l	97
5) Bromomethane	2.675	94	62065	17.560	ug/l	97
6) Chloroethane	2.828	64	64368	20.294	ug/l	96
7) Trichlorofluoromethane	3.164	101	104249	20.259	ug/l	97
8) Diethyl Ether	3.593	74	29121	18.868	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.952	101	63440	20.070	ug/l	97
10) Methyl Iodide	4.158	142	74191	18.702	ug/l #	88
11) Tert butyl alcohol	5.052	59	18018	102.259	ug/l #	73
12) 1,1-Dichloroethene	3.934	96	60948	19.762	ug/l	91
13) Acrolein	3.793	56	10519	77.830	ug/l	99
14) Allyl chloride	4.563	41	78309	19.104	ug/l	93
15) Acrylonitrile	5.252	53	68729	95.933	ug/l	99
16) Acetone	4.016	43	62784	95.356	ug/l #	82
17) Carbon Disulfide	4.263	76	205989	20.041	ug/l	98
18) Methyl Acetate	4.558	43	48970	18.793	ug/l	89
19) Methyl tert-butyl Ether	5.316	73	127339	19.133	ug/l	98
20) Methylene Chloride	4.793	84	95964	18.698	ug/l	89
21) trans-1,2-Dichloroethene	5.305	96	72061	19.574	ug/l	90
22) Diisopropyl ether	6.216	45	174561	19.622	ug/l	95
23) Vinyl Acetate	6.152	43	351753m	95.777	ug/l	
24) 1,1-Dichloroethane	6.110	63	119895	19.413	ug/l	99
25) 2-Butanone	7.081	43	84667	94.998	ug/l	90
26) 2,2-Dichloropropane	7.075	77	100164	19.209	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	80028	19.741	ug/l	95
28) Bromochloromethane	7.422	49	46557	19.307	ug/l #	78
29) Tetrahydrofuran	7.446	42	48920	95.711	ug/l	85
30) Chloroform	7.593	83	125876	19.663	ug/l	92
31) Cyclohexane	7.875	56	100787	20.112	ug/l	88
32) 1,1,1-Trichloroethane	7.787	97	102748	19.083	ug/l	99
36) 1,1-Dichloropropene	8.004	75	95898	20.014	ug/l	96
37) Ethyl Acetate	7.169	43	36507	18.979	ug/l	95
38) Carbon Tetrachloride	7.993	117	86415	19.358	ug/l	95
39) Methylcyclohexane	9.275	83	110169	19.797	ug/l	90
40) Benzene	8.252	78	280435	19.303	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	19296	17.903	ug/l #	89
42) 1,2-Dichloroethane	8.322	62	65684	19.010	ug/l	97
43) Isopropyl Acetate	8.357	43	66171	18.731	ug/l #	92
44) Trichloroethene	9.028	130	74117	20.096	ug/l	96
45) 1,2-Dichloropropane	9.304	63	69726	19.192	ug/l	100
46) Dibromomethane	9.393	93	36127	18.408	ug/l	91
47) Bromodichloromethane	9.587	83	89596	18.933	ug/l	100
48) Methyl methacrylate	9.381	41	29505	18.258	ug/l	86
49) 1,4-Dioxane	9.393	88	7456	361.514	ug/l #	82
51) 4-Methyl-2-Pentanone	10.157	43	175647	95.486	ug/l	89
52) Toluene	10.334	92	175782	19.485	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	84568	18.883	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	104465	19.036	ug/l #	94
55) 1,1,2-Trichloroethane	10.734	97	49266	18.322	ug/l	95
56) Ethyl methacrylate	10.598	69	55552	18.393	ug/l	89
57) 1,3-Dichloropropane	10.881	76	86380	19.329	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	135287	93.389	ug/l	94
59) 2-Hexanone	10.922	43	125702	95.479	ug/l	87
60) Dibromochloromethane	11.075	129	60394	19.339	ug/l	99
61) 1,2-Dibromoethane	11.181	107	47472	18.989	ug/l	98
64) Tetrachloroethene	10.810	164	57034	19.147	ug/l #	84
65) Chlorobenzene	11.610	112	185324	19.830	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	62871	18.976	ug/l	98
67) Ethyl Benzene	11.681	91	326265	19.377	ug/l	95
68) m/p-Xylenes	11.793	106	257101	39.343	ug/l	90
69) o-Xylene	12.122	106	116407	19.348	ug/l	89
70) Styrene	12.134	104	206028	19.905	ug/l	99
71) Bromoform	12.298	173	32996	18.832	ug/l #	98
73) Isopropylbenzene	12.422	105	301466	18.866	ug/l	96
74) N-amyl acetate	12.234	43	60196	18.333	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.669	83	59236	18.611	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	38009m	17.463	ug/l	
77) Bromobenzene	12.698	156	67880	18.653	ug/l	85
78) n-propylbenzene	12.763	91	390612	19.576	ug/l	95
79) 2-Chlorotoluene	12.851	91	206871	19.246	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	257714	19.584	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	19256	18.936	ug/l	93
82) 4-Chlorotoluene	12.945	91	224960	19.777	ug/l	94
83) tert-Butylbenzene	13.169	119	211938	18.948	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	257826	19.503	ug/l	94
85) sec-Butylbenzene	13.345	105	335788	19.451	ug/l	96
86) p-Isopropyltoluene	13.463	119	274766	19.258	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	149107	19.565	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	148765	19.802	ug/l	98
89) n-Butylbenzene	13.787	91	270316	19.508	ug/l	97
90) Hexachloroethane	14.051	117	52701	18.623	ug/l	87
91) 1,2-Dichlorobenzene	13.828	146	127654	19.539	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	8085	19.261	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	76556	19.194	ug/l	97
94) Hexachlorobutadiene	15.204	225	38700	18.880	ug/l	99
95) Naphthalene	15.334	128	140093	17.955	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	66609	19.091	ug/l	99

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

