

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120823\
 Data File : VD077789.D
 Acq On : 08 Dec 2023 13:22
 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 :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023

Quant Time: Dec 08 13:35:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	162884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	276078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	250591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	125774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.233	65	36843	19.196	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.400%	#	
35) Dibromofluoromethane	7.810	113	36478	18.863	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	37.720%	#	
50) Toluene-d8	10.275	98	148700	19.199	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.400%	#	
62) 4-Bromofluorobenzene	12.574	95	44049	19.022	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.040%	#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	42409	20.843	ug/l	96
3) Chloromethane	2.151	50	57910	20.880	ug/l	95
4) Vinyl Chloride	2.293	62	72973	19.382	ug/l	96
5) Bromomethane	2.698	94	39079	18.497	ug/l	98
6) Chloroethane	2.846	64	50003	19.480	ug/l	99
7) Trichlorofluoromethane	3.187	101	71014	20.479	ug/l	96
8) Diethyl Ether	3.598	74	19555	20.083	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.981	101	39054	19.687	ug/l	98
10) Methyl Iodide	4.169	142	20286	16.836	ug/l	91
11) Tert butyl alcohol	5.057	59	10498	107.138	ug/l #	84
12) 1,1-Dichloroethene	3.945	96	38473	19.650	ug/l #	77
13) Acrolein	3.798	56	17261	85.016	ug/l	99
14) Allyl chloride	4.569	41	53578	19.897	ug/l #	90
15) Acrylonitrile	5.257	53	41768	100.187	ug/l	97
16) Acetone	4.022	43	60191	129.954	ug/l #	78
17) Carbon Disulfide	4.281	76	128758	19.438	ug/l	95
18) Methyl Acetate	4.575	43	29287	19.375	ug/l #	87
19) Methyl tert-butyl Ether	5.328	73	80225	19.313	ug/l #	89
20) Methylene Chloride	4.804	84	51587	19.766	ug/l	90
21) trans-1,2-Dichloroethene	5.322	96	43721	19.715	ug/l #	80
22) Diisopropyl ether	6.222	45	110356	19.611	ug/l #	91
23) Vinyl Acetate	6.157	43	270553	98.454	ug/l #	90
24) 1,1-Dichloroethane	6.116	63	74997	19.680	ug/l	96
25) 2-Butanone	7.081	43	62814	110.687	ug/l #	75
26) 2,2-Dichloropropane	7.081	77	63280	19.778	ug/l	95
27) cis-1,2-Dichloroethene	7.086	96	46012	19.282	ug/l	88
28) Bromochloromethane	7.439	49	30526	19.824	ug/l #	72
29) Tetrahydrofuran	7.445	42	29960	98.024	ug/l	88
30) Chloroform	7.604	83	71718	18.804	ug/l	97
31) Cyclohexane	7.875	56	67751	19.846	ug/l	88
32) 1,1,1-Trichloroethane	7.798	97	65643	19.524	ug/l	98
36) 1,1-Dichloropropene	8.016	75	60681	19.617	ug/l	95
37) Ethyl Acetate	7.175	43	22890	18.978	ug/l #	95
38) Carbon Tetrachloride	7.998	117	58406	18.940	ug/l	97
39) Methylcyclohexane	9.275	83	70829	19.315	ug/l #	86
40) Benzene	8.251	78	166790	18.998	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	12737	20.777	ug/l #	83
42) 1,2-Dichloroethane	8.328	62	44861	19.713	ug/l	93
43) Isopropyl Acetate	8.363	43	40771	19.016	ug/l #	91
44) Trichloroethene	9.028	130	44352	19.386	ug/l	98
45) 1,2-Dichloropropane	9.304	63	41550	19.468	ug/l	96
46) Dibromomethane	9.404	93	21228	18.798	ug/l	93
47) Bromodichloromethane	9.586	83	54352	18.989	ug/l	99
48) Methyl methacrylate	9.380	41	22665	18.596	ug/l #	75
49) 1,4-Dioxane	9.386	88	3766	335.857	ug/l #	58
51) 4-Methyl-2-Pentanone	10.163	43	108472	99.130	ug/l	87
52) Toluene	10.333	92	104463	19.182	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	53132	19.330	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	64135	19.299	ug/l #	89
55) 1,1,2-Trichloroethane	10.733	97	29094	18.835	ug/l	94
56) Ethyl methacrylate	10.598	69	26399	19.388	ug/l #	85
57) 1,3-Dichloropropane	10.880	76	51097	19.191	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	77529	99.842	ug/l	93
59) 2-Hexanone	10.922	43	95743	105.463	ug/l	87
60) Dibromochloromethane	11.075	129	35177	18.915	ug/l	97
61) 1,2-Dibromoethane	11.180	107	27758	19.091	ug/l	100
64) Tetrachloroethene	10.816	164	35548	19.300	ug/l	96
65) Chlorobenzene	11.610	112	114452	18.193	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.686	131	38561	18.505	ug/l	96
67) Ethyl Benzene	11.686	91	200231	19.192	ug/l	97
68) m/p-Xylenes	11.798	106	152091	38.112	ug/l	91
69) o-Xylene	12.122	106	68859	18.723	ug/l	91
70) Styrene	12.139	104	105320	19.258	ug/l	95
71) Bromoform	12.304	173	21205	19.475	ug/l #	95
73) Isopropylbenzene	12.422	105	183344	19.233	ug/l	97
74) N-amyl acetate	12.233	43	36949	19.718	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.674	83	33070	19.896	ug/l	100
76) 1,2,3-Trichloropropane	12.721	75	20684m	18.935	ug/l	
77) Bromobenzene	12.704	156	41951	18.710	ug/l	87
78) n-propylbenzene	12.763	91	228042	19.632	ug/l	96
79) 2-Chlorotoluene	12.851	91	120981	19.435	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	152010	19.120	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.474	75	10666	19.783	ug/l	98
82) 4-Chlorotoluene	12.951	91	128638	19.767	ug/l	96
83) tert-Butylbenzene	13.169	119	128632	19.164	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	155288	19.528	ug/l	97
85) sec-Butylbenzene	13.345	105	191647	19.316	ug/l	98
86) p-Isopropyltoluene	13.463	119	171343	19.289	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	87761	19.140	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	91384	18.971	ug/l	98
89) n-Butylbenzene	13.792	91	162411	19.431	ug/l	98
90) Hexachloroethane	14.057	117	31292	19.155	ug/l	96
91) 1,2-Dichlorobenzene	13.833	146	74839	19.191	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.457	75	4675	18.805	ug/l	94
93) 1,2,4-Trichlorobenzene	15.104	180	50085	18.803	ug/l	97
94) Hexachlorobutadiene	15.204	225	28285	19.692	ug/l	100
95) Naphthalene	15.333	128	86776	19.607	ug/l	99
96) 1,2,3-Trichlorobenzene	15.527	180	43626	19.866	ug/l	100

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

