

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112923\
 Data File : VY016527.D
 Acq On : 29 Nov 2023 09:10
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/30/2023
 Supervised By :Semsettin Yesilyurt 11/30/2023

Quant Time: Nov 30 03:05:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 02:51:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.831	168	172577	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.721	114	269189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.520	117	231389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.452	152	107608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.179	65	14480	10.620	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.240%#		
35) Dibromofluoromethane	7.758	113	16168	10.234	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.460%#		
50) Toluene-d8	10.209	98	63201	10.314	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.620%#		
62) 4-Bromofluorobenzene	12.507	95	20333	10.578	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	21.160%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.924	85	16706	11.113	ug/l	95
3) Chloromethane	2.137	50	15660	10.443	ug/l	92
4) Vinyl Chloride	2.277	62	17971	10.617	ug/l	97
5) Bromomethane	2.680	94	11152	10.178	ug/l	99
6) Chloroethane	2.826	64	11363	10.399	ug/l	95
7) Trichlorofluoromethane	3.155	101	30510	10.412	ug/l	94
8) Diethyl Ether	3.570	74	7850	10.086	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.942	101	17019	10.232	ug/l	99
10) Methyl Iodide	4.137	142	18309	9.729	ug/l	97
11) Tert butyl alcohol	5.003	59	4236	49.019	ug/l #	92
12) 1,1-Dichloroethene	3.917	96	15757	10.136	ug/l	82
13) Acrolein	3.765	56	7952	48.562	ug/l	95
14) Allyl chloride	4.527	41	17947	10.042	ug/l #	87
15) Acrylonitrile	5.216	53	14253	51.753	ug/l	95
16) Acetone	3.984	43	16100	61.432	ug/l #	86
17) Carbon Disulfide	4.241	76	44210	10.080	ug/l	99
18) Methyl Acetate	4.527	43	9813	9.723	ug/l #	80
19) Methyl tert-butyl Ether	5.271	73	33824	9.984	ug/l	98
20) Methylene Chloride	4.771	84	18731	9.575	ug/l #	83
21) trans-1,2-Dichloroethene	5.271	96	17047	9.846	ug/l	95
22) Diisopropyl ether	6.167	45	38772	10.347	ug/l #	85
23) Vinyl Acetate	6.106	43	89386	51.725	ug/l #	87
24) 1,1-Dichloroethane	6.069	63	27626	10.446	ug/l	95
25) 2-Butanone	7.033	43	21779	59.205	ug/l #	84
26) 2,2-Dichloropropane	7.027	77	26644	10.194	ug/l	96
27) cis-1,2-Dichloroethene	7.027	96	19386	10.422	ug/l	85
28) Bromochloromethane	7.374	49	10212	10.684	ug/l #	67
29) Tetrahydrofuran	7.386	42	10141	51.316	ug/l #	75
30) Chloroform	7.545	83	30552	10.365	ug/l	97
31) Cyclohexane	7.825	56	25433	10.625	ug/l #	72
32) 1,1,1-Trichloroethane	7.740	97	29350	10.275	ug/l	95
36) 1,1-Dichloropropene	7.959	75	23477	10.063	ug/l	97
37) Ethyl Acetate	7.124	43	7718	10.555	ug/l #	92
38) Carbon Tetrachloride	7.941	117	27656	10.100	ug/l	98
39) Methylcyclohexane	9.215	83	28727	9.872	ug/l	90
40) Benzene	8.197	78	67271	10.170	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.350	41	3688	9.123	ug/l #	87
42) 1,2-Dichloroethane	8.270	62	16624	10.141	ug/l	89
43) Isopropyl Acetate	8.307	43	14293	9.940	ug/l #	81
44) Trichloroethene	8.977	130	20484	10.053	ug/l	95
45) 1,2-Dichloropropane	9.246	63	15535	10.408	ug/l	100
46) Dibromomethane	9.337	93	8420	10.032	ug/l	96
47) Bromodichloromethane	9.532	83	23017	10.387	ug/l	97
48) Methyl methacrylate	9.319	41	7932	9.826	ug/l #	77
49) 1,4-Dioxane	9.337	88	1488	191.453	ug/l #	62
51) 4-Methyl-2-Pentanone	10.099	43	39022	52.021	ug/l #	87
52) Toluene	10.276	92	42627	10.031	ug/l	95
53) t-1,3-Dichloropropene	10.495	75	20457	9.962	ug/l	96
54) cis-1,3-Dichloropropene	9.959	75	24981	10.039	ug/l #	83
55) 1,1,2-Trichloroethane	10.672	97	12758	10.534	ug/l	87
56) Ethyl methacrylate	10.538	69	9946	9.704	ug/l #	75
57) 1,3-Dichloropropane	10.819	76	20063	10.284	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.813	63	29841	47.084	ug/l #	87
59) 2-Hexanone	10.861	43	33819	57.077	ug/l	82
60) Dibromochloromethane	11.014	129	16122	10.184	ug/l	99
61) 1,2-Dibromoethane	11.117	107	11875	10.383	ug/l	99
64) Tetrachloroethene	10.752	164	20638	10.022	ug/l	97
65) Chlorobenzene	11.544	112	46073	9.943	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.617	131	18165	10.226	ug/l	99
67) Ethyl Benzene	11.617	91	80920	9.948	ug/l	99
68) m/p-Xylenes	11.727	106	61802	19.632	ug/l	95
69) o-Xylene	12.056	106	28103	9.724	ug/l	97
70) Styrene	12.068	104	41237	9.917	ug/l	96
71) Bromoform	12.233	173	9228	10.057	ug/l #	99
73) Isopropylbenzene	12.355	105	78922	9.671	ug/l	100
74) N-amyl acetate	12.166	43	10853	9.417	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.605	83	12304	10.157	ug/l	97
76) 1,2,3-Trichloropropane	12.654	75	10048m	11.085	ug/l	
77) Bromobenzene	12.635	156	18678	9.830	ug/l	88
78) n-propylbenzene	12.696	91	91959	9.850	ug/l	97
79) 2-Chlorotoluene	12.782	91	51328	9.885	ug/l	97
80) 1,3,5-Trimethylbenzene	12.837	105	63953	9.749	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.404	75	4082	9.853	ug/l	86
82) 4-Chlorotoluene	12.879	91	53437	10.023	ug/l	98
83) tert-Butylbenzene	13.099	119	56576	9.557	ug/l	98
84) 1,2,4-Trimethylbenzene	13.147	105	62693	9.816	ug/l	99
85) sec-Butylbenzene	13.275	105	81129	9.909	ug/l	100
86) p-Isopropyltoluene	13.391	119	69249	9.789	ug/l	98
87) 1,3-Dichlorobenzene	13.391	146	35489	9.891	ug/l	98
88) 1,4-Dichlorobenzene	13.471	146	35562	10.126	ug/l	98
89) n-Butylbenzene	13.721	91	61372	9.898	ug/l	97
90) Hexachloroethane	13.983	117	13788	9.989	ug/l	92
91) 1,2-Dichlorobenzene	13.763	146	30656	10.082	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.379	75	1597	9.371	ug/l	73
93) 1,2,4-Trichlorobenzene	15.031	180	15133	10.982	ug/l	98
94) Hexachlorobutadiene	15.135	225	10630	10.094	ug/l	100
95) Naphthalene	15.263	128	23390	11.280	ug/l	99
96) 1,2,3-Trichlorobenzene	15.452	180	12156	11.448	ug/l	98

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

