

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013393.D
 Acq On : 24 Apr 2023 11:26
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023

Quant Time: Apr 25 02:14:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 24 14:03:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	233670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	371045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	329384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	161953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	14471	5.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.300%#		
35) Dibromofluoromethane	7.716	113	12602	5.400	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.800%#		
50) Toluene-d8	10.179	98	43566	5.248	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.500%#		
62) 4-Bromofluorobenzene	12.477	95	15326	5.476	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.960%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	9090	4.092	ug/l	96
3) Chloromethane	2.107	50	14813	4.975	ug/l	98
4) Vinyl Chloride	2.247	62	14676	4.950	ug/l	98
5) Bromomethane	2.649	94	12670	5.363	ug/l	91
6) Chloroethane	2.790	64	10095	4.929	ug/l	97
7) Trichlorofluoromethane	3.131	101	21923	4.881	ug/l	89
8) Diethyl Ether	3.527	74	7389	4.831	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.899	101	12524	4.971	ug/l	94
10) Methyl Iodide	4.088	142	13810	4.364	ug/l	99
11) Tert butyl alcohol	4.991	59	10009m	29.172	ug/l	
12) 1,1-Dichloroethene	3.875	96	11835	4.873	ug/l	89
13) Acrolein	3.729	56	7771	26.817	ug/l	94
14) Allyl chloride	4.472	41	21139	4.691	ug/l	96
15) Acrylonitrile	5.173	53	21627	25.248	ug/l	97
16) Acetone	3.954	43	26342	26.113	ug/l	91
17) Carbon Disulfide	4.192	76	36336	4.606	ug/l	96
18) Methyl Acetate	4.478	43	17495	5.251	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	34001	4.850	ug/l	100
20) Methylene Chloride	4.710	84	37143	4.371	ug/l #	87
21) trans-1,2-Dichloroethene	5.216	96	12526	4.717	ug/l	97
22) Diisopropyl ether	6.118	45	40965	4.651	ug/l	92
23) Vinyl Acetate	6.057	43	109715m	21.836	ug/l	
24) 1,1-Dichloroethane	6.015	63	24150	4.920	ug/l	98
25) 2-Butanone	6.990	43	31792	24.851	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	20459	4.837	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	14368	4.898	ug/l	92
28) Bromochloromethane	7.325	49	8544	4.905	ug/l #	80
29) Tetrahydrofuran	7.350	42	18670	23.444	ug/l	92
30) Chloroform	7.502	83	24143	4.947	ug/l	92
31) Cyclohexane	7.789	56	24810	5.410	ug/l #	90
32) 1,1,1-Trichloroethane	7.697	97	21649	4.971	ug/l	98
36) 1,1-Dichloropropene	7.917	75	18725	4.835	ug/l	96
37) Ethyl Acetate	7.069	43	14056	4.823	ug/l #	93
38) Carbon Tetrachloride	7.899	117	19319	4.759	ug/l	95
39) Methylcyclohexane	9.179	83	20996	4.598	ug/l	94
40) Benzene	8.155	78	53338	4.889	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	6888	5.060	ug/l	92
42) 1,2-Dichloroethane	8.234	62	17663	4.952	ug/l	97
43) Isopropyl Acetate	8.277	43	22971	4.669	ug/l	96
44) Trichloroethene	8.935	130	14744	5.080	ug/l	99
45) 1,2-Dichloropropane	9.215	63	13826	4.847	ug/l	99
46) Dibromomethane	9.301	93	8576	5.025	ug/l	93
47) Bromodichloromethane	9.496	83	18668	4.888	ug/l #	94
48) Methyl methacrylate	9.295	41	9904	4.383	ug/l	97
49) 1,4-Dioxane	9.319	88	2353	96.526	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	64601	23.565	ug/l	95
52) Toluene	10.246	92	30806	4.692	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	18508	4.579	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	22070	4.852	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	11533	5.102	ug/l	94
56) Ethyl methacrylate	10.508	69	13375	4.265	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	19246	5.028	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.782	63	30680	26.091	ug/l	94
59) 2-Hexanone	10.831	43	45448	22.806	ug/l	93
60) Dibromochloromethane	10.983	129	13219	4.816	ug/l	96
61) 1,2-Dibromoethane	11.087	107	11242	5.059	ug/l	98
64) Tetrachloroethene	10.715	164	12653	5.052	ug/l	91
65) Chlorobenzene	11.514	112	35487	4.946	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	13336	4.970	ug/l	95
67) Ethyl Benzene	11.587	91	57925	4.597	ug/l	94
68) m/p-Xylenes	11.697	106	43052	8.988	ug/l	96
69) o-Xylene	12.026	106	20869	4.607	ug/l	99
70) Styrene	12.044	104	33902	4.476	ug/l	99
71) Bromoform	12.203	173	9673	5.146	ug/l #	97
73) Isopropylbenzene	12.331	105	54492	4.448	ug/l	100
74) N-amyl acetate	12.142	43	18714	4.293	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	15203	5.078	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	10734m	4.800	ug/l	
77) Bromobenzene	12.605	156	13901	4.683	ug/l	89
78) n-propylbenzene	12.666	91	67989	4.506	ug/l	97
79) 2-Chlorotoluene	12.751	91	38892	4.616	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	44902	4.491	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	4751	4.450	ug/l	89
82) 4-Chlorotoluene	12.855	91	41296	4.702	ug/l	99
83) tert-Butylbenzene	13.074	119	39503	4.561	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	43562	4.481	ug/l	100
85) sec-Butylbenzene	13.251	105	60028	4.618	ug/l	99
86) p-Isopropyltoluene	13.367	119	48417	4.631	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	28779	5.089	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	29666	5.193	ug/l	95
89) n-Butylbenzene	13.696	91	47759	4.681	ug/l	95
90) Hexachloroethane	13.958	117	11278	5.126	ug/l	96
91) 1,2-Dichlorobenzene	13.733	146	25583	5.010	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2683	5.074	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	15770	5.180	ug/l	97
94) Hexachlorobutadiene	15.111	225	9792	5.526	ug/l	98
95) Naphthalene	15.233	128	30220	4.575	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	13552	4.994	ug/l	93

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

