

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041123\
 Data File : VY013231.D
 Acq On : 10 Apr 2023 17:23
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/12/2023
 Supervised By :Mahesh Dadoda 04/12/2023

Quant Time: Apr 11 10:43:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 11 10:35:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	93474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	145476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	132366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	69172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	21245	20.295	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.600%#		
35) Dibromofluoromethane	7.709	113	17622	20.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.360%#		
50) Toluene-d8	10.178	98	62104	20.297	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	40.600%#		
62) 4-Bromofluorobenzene	12.477	95	21606	20.021	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	40.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	15802	23.549	ug/l	99
3) Chloromethane	2.113	50	20080	23.212	ug/l	100
4) Vinyl Chloride	2.247	62	18917	23.067	ug/l	98
5) Bromomethane	2.637	94	14591	22.836	ug/l	91
6) Chloroethane	2.790	64	13933	22.973	ug/l	93
7) Trichlorofluoromethane	3.119	101	28607	21.630	ug/l	95
8) Diethyl Ether	3.521	74	10350	20.905	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	16845	21.124	ug/l	98
10) Methyl Iodide	4.088	142	19829	20.913	ug/l	94
11) Tert butyl alcohol	4.954	59	16896	89.850	ug/l	96
12) 1,1-Dichloroethene	3.869	96	15722	22.285	ug/l	94
13) Acrolein	3.728	56	10860	104.492	ug/l	98
14) Allyl chloride	4.472	41	31501	21.276	ug/l	93
15) Acrylonitrile	5.155	53	32024	95.804	ug/l	99
16) Acetone	3.942	43	37102	89.269	ug/l	97
17) Carbon Disulfide	4.192	76	42819	24.744	ug/l	97
18) Methyl Acetate	4.478	43	24909	19.614	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	52375	19.995	ug/l	99
20) Methylene Chloride	4.710	84	26632	19.504	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	18009	21.805	ug/l	97
22) Diisopropyl ether	6.118	45	67456	20.741	ug/l	98
23) Vinyl Acetate	6.057	43	204467	100.967	ug/l	97
24) 1,1-Dichloroethane	6.015	63	35299	20.846	ug/l	98
25) 2-Butanone	6.984	43	50091	92.387	ug/l	94
26) 2,2-Dichloropropane	6.978	77	32678	20.510	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	20235	20.660	ug/l	93
28) Bromochloromethane	7.331	49	15439	19.519	ug/l	94
29) Tetrahydrofuran	7.344	42	29971	95.283	ug/l	96
30) Chloroform	7.502	83	36608	20.777	ug/l	98
31) Cyclohexane	7.783	56	28595	21.235	ug/l #	88
32) 1,1,1-Trichloroethane	7.703	97	32974	21.344	ug/l	98
36) 1,1-Dichloropropene	7.911	75	25933	21.432	ug/l	98
37) Ethyl Acetate	7.069	43	21295	19.437	ug/l #	93
38) Carbon Tetrachloride	7.898	117	29441	20.945	ug/l	92
39) Methylcyclohexane	9.179	83	26965	21.077	ug/l	93
40) Benzene	8.154	78	76550	21.391	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	10689m	23.067	ug/l	
42) 1,2-Dichloroethane	8.234	62	27033	20.863	ug/l	97
43) Isopropyl Acetate	8.270	43	36453	18.972	ug/l	96
44) Trichloroethene	8.935	130	19680	21.212	ug/l	95
45) 1,2-Dichloropropane	9.215	63	20273	20.866	ug/l	93
46) Dibromomethane	9.301	93	11951	20.443	ug/l	100
47) Bromodichloromethane	9.496	83	28923	20.483	ug/l	95
48) Methyl methacrylate	9.288	41	15911	19.130	ug/l	90
49) 1,4-Dioxane	9.294	88	3193	394.266	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	102323	94.435	ug/l	96
52) Toluene	10.239	92	47281	21.293	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	29622	20.049	ug/l	99
54) cis-1,3-Dichloropropene	9.922	75	32384	20.346	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	16438	19.991	ug/l	97
56) Ethyl methacrylate	10.508	69	21933	19.212	ug/l #	90
57) 1,3-Dichloropropane	10.788	76	28272	20.236	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	52807	100.404	ug/l	99
59) 2-Hexanone	10.831	43	73714	92.658	ug/l	95
60) Dibromochloromethane	10.983	129	20618	20.105	ug/l	100
61) 1,2-Dibromoethane	11.087	107	15740	20.060	ug/l	98
64) Tetrachloroethene	10.715	164	16627	20.368	ug/l	97
65) Chlorobenzene	11.514	112	52833	20.735	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	20719	20.504	ug/l	98
67) Ethyl Benzene	11.593	91	90236	20.583	ug/l	98
68) m/p-Xylenes	11.703	106	70501	41.763	ug/l	99
69) o-Xylene	12.026	106	33117	20.795	ug/l	97
70) Styrene	12.044	104	56573	20.751	ug/l	98
71) Bromoform	12.209	173	13952	19.463	ug/l #	95
73) Isopropylbenzene	12.331	105	85827	19.911	ug/l	99
74) N-amyl acetate	12.142	43	31090	18.905	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.580	83	21477	18.955	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	19227m	21.512	ug/l	
77) Bromobenzene	12.605	156	21660	19.744	ug/l	100
78) n-propylbenzene	12.672	91	107985	20.155	ug/l	99
79) 2-Chlorotoluene	12.751	91	60955	20.036	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	73473	20.449	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	7546	18.692	ug/l	92
82) 4-Chlorotoluene	12.855	91	65439	20.552	ug/l	99
83) tert-Butylbenzene	13.074	119	63740	19.902	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	73794	20.757	ug/l	100
85) sec-Butylbenzene	13.251	105	95978	20.260	ug/l	100
86) p-Isopropyltoluene	13.367	119	80837	20.399	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	44978	20.803	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	44818	20.512	ug/l	98
89) n-Butylbenzene	13.696	91	75468	20.289	ug/l	98
90) Hexachloroethane	13.958	117	16239	19.512	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	39791	20.073	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3895	18.023	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	22870	18.969	ug/l	96
94) Hexachlorobutadiene	15.111	225	14037	19.644	ug/l	98
95) Naphthalene	15.232	128	47823	17.797	ug/l	99
96) 1,2,3-Trichlorobenzene	15.421	180	20770	18.578	ug/l	98

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

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