

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002063.D
 Acq On : 25 Mar 2020 13:53
 Operator : SY/MD
 Sample : VY0325SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0325SBS01

Manual Integrations
 APPROVED

apatel
 3/26/2020 10:59:01 AM

Quant Time: Mar 26 07:08:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	154891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	282889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	254307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	121697	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	83345	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
35) Dibromofluoromethane	7.75	113	77171	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	10.20	98	311312	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.50	95	112557	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	25323	17.711	ug/l	98
3) Chloromethane	2.13	50	35873	18.610	ug/l	97
4) Vinyl Chloride	2.27	62	37263	19.005	ug/l	97
5) Bromomethane	2.66	94	24742	17.840	ug/l	97
6) Chloroethane	2.82	64	23534	19.107	ug/l	95
7) Trichlorofluoromethane	3.15	101	52725	19.828	ug/l	96
8) Diethyl Ether	3.55	74	22015	21.006	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	34847	20.375	ug/l	99
10) Methyl Iodide	4.13	142	37928	19.176	ug/l	98
11) Tert butyl alcohol	4.99	59	25896	140.610	ug/l	99
12) 1,1-Dichloroethene	3.91	96	33769	19.609	ug/l	97
13) Acrolein	3.76	56	18175	78.217	ug/l	99
14) Allyl chloride	4.52	41	61652	20.194	ug/l	98
15) Acrylonitrile	5.21	53	61722	110.210	ug/l	100
16) Acetone	3.98	43	51785	107.523	ug/l	94
17) Carbon Disulfide	4.22	76	103319	17.847	ug/l	99
18) Methyl Acetate	4.51	43	27543	22.257	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	102346	21.931	ug/l	100
20) Methylene Chloride	4.75	84	41898	20.298	ug/l	96
21) trans-1,2-Dichloroethene	5.26	96	38656	19.776	ug/l	99
22) Diisopropyl ether	6.16	45	135443	21.643	ug/l	94
23) Vinyl Acetate	6.10	43	443189	108.027	ug/l	99
24) 1,1-Dichloroethane	6.06	63	70198	20.714	ug/l	99
25) 2-Butanone	7.02	43	82070	112.055	ug/l	100
26) 2,2-Dichloropropane	7.02	77	58384	20.990	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	44416	20.890	ug/l	99
28) Bromochloromethane	7.37	49	34645	22.680	ug/l	98
29) Tetrahydrofuran	7.38	42	53976	110.978	ug/l	99
30) Chloroform	7.54	83	66923	21.019	ug/l	97
31) Cyclohexane	7.82	56	71496	19.676	ug/l	94
32) 1,1,1-Trichloroethane	7.74	97	54863	20.444	ug/l	98
36) 1,1-Dichloropropene	7.95	75	54453	20.003	ug/l	99
37) Ethyl Acetate	7.11	43	36001	22.754	ug/l	99
38) Carbon Tetrachloride	7.92	117	46764	20.109	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	71180	19.714	ug/l	96
40) Benzene	8.19	78	163027	20.205	ug/l	97
41) Methacrylonitrile	7.35	41	16352m	22.965	ug/l	
42) 1,2-Dichloroethane	8.27	62	44494	21.400	ug/l	97
43) Isopropyl Acetate	8.30	43	65054	21.717	ug/l	99
44) Trichloroethene	8.96	130	39191	19.944	ug/l	93
45) 1,2-Dichloropropane	9.24	63	42697	21.050	ug/l	96
46) Dibromomethane	9.33	93	22095	21.138	ug/l	98
47) Bromodichloromethane	9.52	83	51177	21.048	ug/l	99
48) Methyl methacrylate	9.31	41	30201	22.721	ug/l	97
49) 1,4-Dioxane	9.32	88	5760	402.162	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	173682	112.569	ug/l	99
52) Toluene	10.26	92	99752	20.351	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	55853	21.084	ug/l	95
54) cis-1,3-Dichloropropene	9.95	75	64893	20.578	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	32513	21.254	ug/l	96
56) Ethyl methacrylate	10.53	69	48314	21.548	ug/l	95
57) 1,3-Dichloropropane	10.81	76	57455	21.071	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	130764	154.557	ug/l	99
59) 2-Hexanone	10.85	43	121778	110.582	ug/l	100
60) Dibromochloromethane	11.00	129	33628	20.862	ug/l	99
61) 1,2-Dibromoethane	11.11	107	30956	21.363	ug/l	99
64) Tetrachloroethene	10.74	164	33591	21.063	ug/l	98
65) Chlorobenzene	11.53	112	102705	20.269	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.61	131	34382	20.691	ug/l	97
67) Ethyl Benzene	11.61	91	191329	20.246	ug/l	98
68) m/p-Xylenes	11.72	106	142312	40.732	ug/l	100
69) o-Xylene	12.04	106	68820	20.899	ug/l	96
70) Styrene	12.06	104	118066	20.933	ug/l	99
71) Bromoform	12.22	173	19369	21.493	ug/l	# 99
73) Isopropylbenzene	12.34	105	180247	19.402	ug/l	99
74) N-amyl acetate	12.16	43	60625	21.233	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	40878	20.405	ug/l	100
76) 1,2,3-Trichloropropane	12.65	75	26203m	18.146	ug/l	
77) Bromobenzene	12.63	156	39543	20.090	ug/l	99
78) n-propylbenzene	12.69	91	225530	19.678	ug/l	99
79) 2-Chlorotoluene	12.77	91	123511	19.506	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	151299	19.783	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14378	20.113	ug/l	95
82) 4-Chlorotoluene	12.87	91	131574	19.957	ug/l	100
83) tert-Butylbenzene	13.09	119	128283	20.195	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	150693	19.854	ug/l	100
85) sec-Butylbenzene	13.27	105	188489	20.131	ug/l	99
86) p-Isopropyltoluene	13.38	119	164736	20.396	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	77073	19.983	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	79066	20.207	ug/l	99
89) n-Butylbenzene	13.71	91	168207	20.073	ug/l	100
90) Hexachloroethane	13.97	117	29887	19.615	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	70800	20.205	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6523	20.866	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	46644	20.526	ug/l	98
94) Hexachlorobutadiene	15.12	225	22713	20.501	ug/l	99
95) Naphthalene	15.25	128	109294	20.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	41290	20.626	ug/l	100

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

